



## DATA REPORT AND PROPOSED ADDITIONAL INVESTIGATION

TO: Chris Black, U.S. EPA  
Dave Favero, RACER TRUST  
Grant Trigger, RACER TRUST

FROM: Mike Smith, Applied EcoSystems, Inc.

DATE: June 23, 2014

SUBJECT: RACER Flint West Industrial Land (#12990)  
Summary of Additional Site Investigation

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### ATTACHMENTS:

- Attachment 1: Cross Section Diagrams
- Attachment 2: Groundwater Analytical Tables (All investigations conducted by RACER to-date)
- Attachment 3: Groundwater Analytical Laboratory Report (April, 2014)
- Attachment 4: Soil Analytical Tables (All investigations conducted by RACER to-date)
- Attachment 5: Soil Analytical Laboratory Report (April, 2014)

## 1.0 INTRODUCTION

Applied EcoSystems, Inc. (AE) completed a groundwater monitoring event at the RACER Trust Flint West Industrial Land - #12990 Site on March 29 and April 3, 2014, and soil borings/soil and borehole groundwater sampling on April 21 and 22, 2014, as outlined in the March 18, 2014 Data Report submitted to and approved by the United States Environmental Protection Agency (USEPA)

The Site consists of approximately five acres of land located west of Stevens Street and north of Glenwood Avenue in Flint, Genesee County, Michigan. The Site is developed with a Consumers Energy electrical substation in the central portion. Almost the entire Site consists of concrete pavement, remaining after the demolition of a former manufacturing building. The majority of the Site is secured with a locked chain-link fence.

There were no exceptions to the approved USEPA Scope of Work.

## 2.0 INVESTIGATION ACTIVITIES COMPLETED

### Groundwater Monitoring (Task 6)

- All wells were gauged. No NAPL was encountered.
- All wells were sampled. Samples were analyzed for VOCs, and the following metals (total and dissolved): arsenic, chromium, copper, lead, selenium, and zinc. Analytical results are attached.
- Installed eight soil borings and collected 25 soil samples (excluding QA/QC samples) at various depths between three and 21 feet below grade. Samples were analyzed for VOCs, and the following metals: arsenic, chromium, copper, lead, selenium, and zinc. Analytical results are attached.
- Collected groundwater samples from the upper and lower points of the aquifer in six of the eight soil borings, denoted “top,” and “bottom,” respectively in this report. (Two of the wells did not produce groundwater). Samples were analyzed for VOCs, and the following metals (total and dissolved): arsenic, chromium, copper, lead, selenium, and zinc. Analytical results are attached.

### 3.0 INVESTIGATION RESULTS

Comparison of groundwater data to current (December 30, 2013) Michigan Department of Environmental Quality (MDEQ) Generic Residential Cleanup Criteria (GRCC) indicates the following:

#### Soil Results

**Metals:** Metals were detected at varying levels below the drinking water and GSI protection criteria.

**VOCs:** Tetrahydrofuran and 2-Butanone were detected in various samples. Based on laboratory qualifiers, these detections are indicative of laboratory artifacts and are not considered further. Remaining exceedances were present as follows:

**Table 1.0 – VOCs Exceedances in Soil**

Sample ID	VOC	Drinking Water Criterion	GSI Criterion	Result
SB-124 (21')	Trichloroethene	<b>100</b>	4,000	1,420
SB-125 (19')	Trichloroethene	<b>100</b>	4,000	3,650
SB-129 (18')	Trichloroethene	<b>100</b>	4,000	6,170
SB-130 (18')	Vinyl Chloride	<b>40</b>	260	73
	cis-1,2-Dichloroethene	<b>1,400</b>	12,000	6,380
	Trichloroethene	<b>100</b>	<b>4,000</b>	6,080
SB-131 (18')	Vinyl Chloride	<b>40</b>	260	90
	cis-1,2-Dichloroethene	<b>1,400</b>	12,000	2,820
	Trichloroethene	<b>100</b>	<b>4,000</b>	12,160

- All results are expressed in ug/kg

Criteria in red indicate an exceedance for that pathway. Sample analytical results (tabulated results and reports) are attached. Figure 3 illustrates the GSI and drinking water exceedances.

Groundwater Results

**Metals:** Select metals were detected above drinking water and GSI criteria as shown in the table below. The metals concentrations are consistent with expected regional conditions, do not appear to represent a plume, and are believed to be naturally-occurring. Although the MDEQ has published state-wide and regional “background” concentrations for soils, there are no such values published for groundwater. The concentrations are generally consistent with concentrations encountered by AE at other uncontaminated sites in the Flint area. Total metals results appear to have been influenced by turbidity. Accordingly, the dissolved metals concentrations are considered to be more representative of site conditions for the purposes of this assessment.

**Table 2.0 – Dissolved Metals Exceedances in Groundwater**

Well ID	Metal	Drinking Water Criterion	GSI Criterion	Result
MW-101s	zinc	2,400	<b>26</b>	97
MW-103s	arsenic	<b>10</b>	<b>10</b>	11
MW-104s	zinc	2.4	<b>.026</b>	.04
MW-105sr	selenium	50	<b>5</b>	6
MW-106s	zinc	2,400	<b>26</b>	62
MW-110s*	arsenic	<b>10</b>	<b>10</b>	21
	copper	1,000	<b>20</b>	28
	lead	<b>4</b>	28	24
	zinc	2,400	<b>26</b>	81
MW-112s	arsenic	<b>10</b>	<b>10</b>	19
MW-113s*	chromium	<b>100</b>	160	128

SB-124 TW	arsenic	10	10	Bottom - 3
	copper	1,000	<b>20</b>	Top – 21 Bottom - 42
	lead	<b>4</b>	<b>28</b>	Top – 29 Bottom - 47
	selenium	50	<b>5</b>	Top – 12 Bottom - 12
	zinc	2,400	<b>26</b>	Top – 311 Bottom - 241
SB-125 TW	arsenic	<b>10</b>	<b>10</b>	Top – 17 Bottom – 30
	zinc	2,400	<b>26</b>	Top – 167 Bottom - 400
SB-127 TW	arsenic	<b>10</b>	<b>10</b>	Top – 57 Bottom - 38
	lead	<b>4</b>	28	Top - 5 Bottom - 19
	zinc	2,400	<b>26</b>	Top – 82 Bottom - 166
SB-129 TW	chromium	<b>100</b>	160	Top – 147
	copper	1,000	<b>20</b>	Top – 22 Bottom - 24
	lead	<b>4</b>	28	Top – 23 Bottom - 11
	zinc	2,400	<b>26</b>	Top – 323 Bottom - 68
SB-130 TW	copper	1,000	<b>20</b>	Top – 140 Bottom - 94
	lead	<b>4</b>	<b>28</b>	Top – 208 Bottom - 31
	zinc	2,400	<b>26</b>	Top – 326 Bottom - 241
SB-131 TW	copper	1,000	<b>20</b>	Top – 28 Bottom - 144
	lead	<b>4</b>	28	Top – 16 Bottom - 14
	zinc	2,400	<b>26</b>	Top – 103 Bottom - 191

- All results are expressed in ug/L

- \* Located on the former railroad property to the north of Flint West #12990.

**VOCs:** (VOCs comparison includes the updated criteria published by the MDEQ on December 30, 2013). Exceedances were present as follows:

**Table 3.0 – VOCs Exceedances in Groundwater**

Well ID	VOC	Drinking Water Criterion	GSI Criterion	Result
MW-105SR	Tetrachloroethene	5	60	47
MW-109S*	Trichloroethene	5	200	102
	Vinyl Chloride	2	13	18
MW-111S	Trichloroethene	5	200	92
	Vinyl Chloride	2	13	4
MW-112S	Vinyl Chloride	2	13	6
MW-113S*	Trichloroethene	5	200	23
SB-127 Top	Vinyl Chloride	2	13	6
SB-129 Top	Trichloroethene	5	200	38
SB-129 Bottom	Trichloroethene	5	200	38
SB-131 Top	Trichloroethene	5	200	81
SB-131 Bottom	Trichloroethene	5	200	78

- All results are expressed in ug/L

- \* Located on the former railroad property to the north of Flint West #12990.

Criteria in red indicate an exceedance for that pathway. Sample analytical results (tabulated results and reports) are attached. Figure 5 illustrates the GSI and drinking water exceedances.

#### 4.0 PROPOSED ADDITIONAL INVESTIGATIONS

Proposed additional investigations are as follows:

1. Conduct gauging/sampling of the existing monitoring wells. The proposed analytical parameters for groundwater samples are:
  - 6 metals: - (the 6 metals observed above criteria in one or more wells, some of which are located off-site in the railroad property: Arsenic, chromium, copper, lead, selenium, and zinc.) Total and dissolved analyses will be conducted on every sample; and
  - VOCs (EPA 8260).
2. In order to further evaluate soil conditions pursuant to preparing the Corrective Measures Proposal (CMP), two soil borings will be conducted at the locations of the highest CVOC (specifically TCE) soil impacts encountered during this investigation (the approximate locations of SB-122 and SB-131.) The borings will be conducted using Geoprobe dual tube methods in order to prevent creation of vertical migration pathways in the clay underlying the shallow saturated zone. The borings will be conducted to a depth of approximately five feet into the clay layer. Three soil samples will be collected from each boring. Samples will be collected and analyzed as follows:
3. One sample from each boring will be collected from the saturated sand layer and analyzed for fraction of organic carbon (FOC) using the Walkley-Black method, dry bulk density, porosity, and moisture content.
  - In order to evaluate the likely site-specific CVOC leachate potential;
  - One soil sample will be collected from each boring at the top of the clay layer, one sample approximately three feet into the clay layer and one approximately five feet into the clay layer in order to delineate vertical extent of impacts in the clay. The samples will be analyzed for VOCs;
  - In each boring, the sample in the clay layer exhibiting the highest concentration of CVOCs will also be subjected to the Synthetic Precipitation Leachate Procedure (SPLP) with the extract analyzed for VOCs to further evaluate site-specific leach potential; and
  - In each boring, one sample from the clay layer exhibiting the lowest concentrations of CVOCs will also be analyzed for fraction of organic carbon (FOC) using the Walkley-Black method, dry bulk density, porosity, and moisture content, and (SPLP) in order to evaluate the likely site-specific CVOC leachate potential from the clay layer.

## 5.0 PROPOSED SCHEDULE:

Field work for the summer 2014 groundwater monitoring event is expected to be completed in June, 2014. The proposed additional borings/samples will be conducted in July, 2014. A Data Report will be submitted approximately September 15, 2014.

A proposal for any additional investigation needed to support preparation of the Final CMP will be submitted if it is determined from the on-going evaluation that additional investigation is needed. The target date to submit the CMP remains November 1, 2014. Based on soil and groundwater data collected to-date, it appears that the area of highest CVOC impact is located on the north exterior of the former building in a former storage area, with increasing concentrations downgradient on the abandoned railway parcel adjacent to the north. The CMP will evaluate possible on- and off-site sources and various corrective measure options to address the site related CVOC impact on or migrating from the RACER Flint West Site.

## FIGURES

## SITE LOCATION MAP

RACER Flint West

**FIGURE**  
1

**DATE**  
2012

**SCALE**  
As Shown

**PROJECT No.**  
11-4317



Source: United States Geological Survey

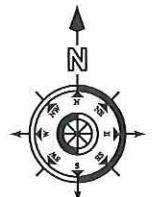
Property outline is approximate.



**Applied EcoSystems, Inc.**  
Environmental Management, Consulting & Field Services

G-4300 South Saginaw Street  
Burton, Michigan 48529  
T (810) 715-2525  
FAX (810) 715-2526

[www.AppliedEcoSystems.com](http://www.AppliedEcoSystems.com)



### LEGEND

- MW Monitoring Well
  - SB Soil borings completed by AE
  - +— chain link fence
- A - A'   B - B'   C - C'  
Cross Sections  
Attachment 1

Approximate Scale in Feet

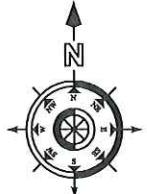


**Applied EcoSystems, Inc.**  
Environmental Management, Consulting & Field Services  
G-4300 South Saginaw Street, Burton, Michigan 48329  
Phone: 810.715.2525; Fax: 810.715.2526

### Soil Boring and Well Location Map

Racer Flint West - 12990  
Flint West Industrial Land, Flint, MI

DATE:	SCALE:
2014	As Shown
PROJECT:	FIGURE:
11-4317-102	2



### LEGEND

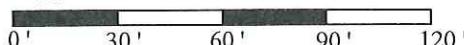
- MW Monitoring Well
- SB Soil borings completed by AE
- ✖ chain link fence

Soil analytical results in ug/kg (ppb)

Soil borings with no data attached indicate NO exceedances of DW or GSI Criteria.

Soil analytical results reflect April 2014 sampling events only

Approximate Scale in Feet



04/21/14 SB-125 (19')			
ANALYTE	DW	GSI	Exceedance
Trichloroethene	100.0	4000.0	3650.0

04/22/14 SB-131 (18')			
ANALYTE	DW	GSI	Exceedance
Trichloroethene	100.0	4000.0	12160.0
Vinyl chloride	40.0	260.0	90.0
cis-1,2-Dichloroethene	1400.0	12000.0	2820.0

04/22/14 SB-130 (18')			
ANALYTE	DW	GSI	Exceedance
Trichloroethene	100.0	4000.0	6080.0
Vinyl chloride	40.0	260.0	73.0
cis-1,2-Dichloroethene	1400.0	12000.0	6380.0

04/22/14 SB-129 (18')			
ANALYTE	DW	GSI	Exceedance
Trichloroethene	100.0	4000.0	6170.0

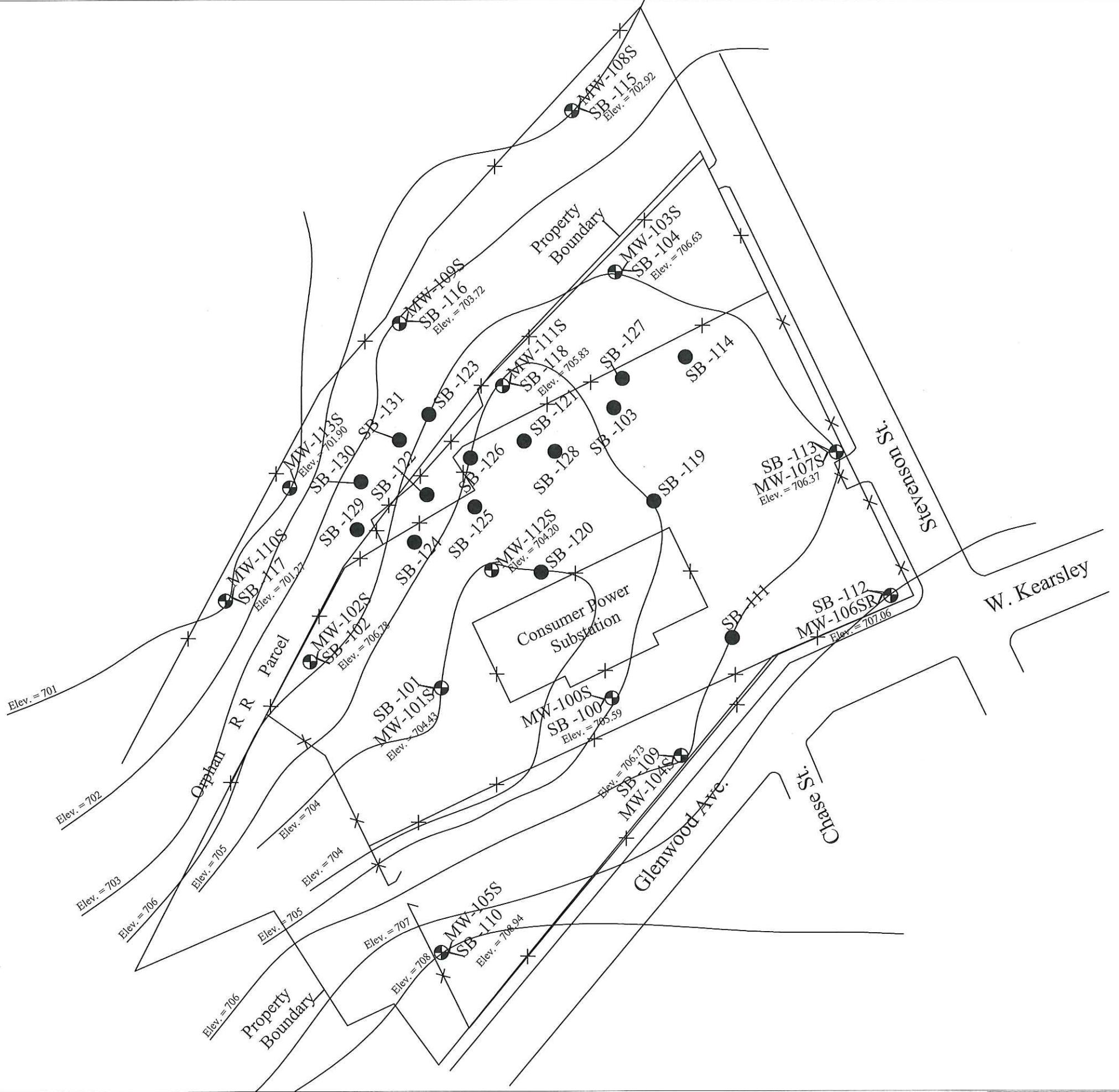
04/21/14 SB-124 (21')			
ANALYTE	DW	GSI	Exceedance
Trichloroethene	100.0	4000.0	1420.0





	LEGEND
● MW	Monitoring Well
● SB	Soil borings completed by AE
×	Chain link fence

Approximate Scale in Feet



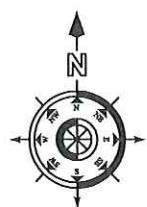
**Applied EcoSystems, Inc.**  
Environmental Management, Consulting & Field Services  
G-4300 South Saginaw Street, Burton, Michigan 48329  
Phone: 810.715.2525; Fax: 810.715.2526



### Spring Groundwater Contour Map

Racer Flint West - 12990  
Flint West Industrial Land, Flint, MI

DATE: 2014	SCALE: As Shown
PROJECT: 11-4317-102	FIGURE: 4



### LEGEND

● MW Monitoring Well

● SB Soil borings completed by AE

—+— Chain link fence

Groundwater analytical results in ug/l (ppb)

Monitoring wells with no data attached indicate NO exceedances of DW or GSI Criteria.

twt Temporary Well sampled from top of the water column

twb Temporary Well sampled from bottom of the water column

Groundwater analytical results reflect March and April 2014 sampling events only

Approximate Scale in Feet



03/29/14 MW-111S			
ANALYTE	DW	GSI	Exceedance
Trichloroethene	5.0	200.0	92.0
Vinyl chloride	2.00	13.00	4.00

03/29/14 MW-109S			
ANALYTE	DW	GSI	Exceedance
Trichloroethene	5.0	200.0	102.0
Vinyl chloride	2.00	13.00	18.00

04/22/14 SB-131 twt			
ANALYTE	DW	GSI	Exceedance
Trichloroethene	5.0	200.0	81.0

04/22/14 SB-131 twb			
ANALYTE	DW	GSI	Exceedance
Trichloroethene	5.0	200.0	78.00

03/29/14 MW-113S			
ANALYTE	DW	GSI	Exceedance
Trichloroethene	5.0	200.0	23.0

04/22/14 SB-129 twt			
ANALYTE	DW	GSI	Exceedance
Trichloroethene	5.0	200.0	8.0

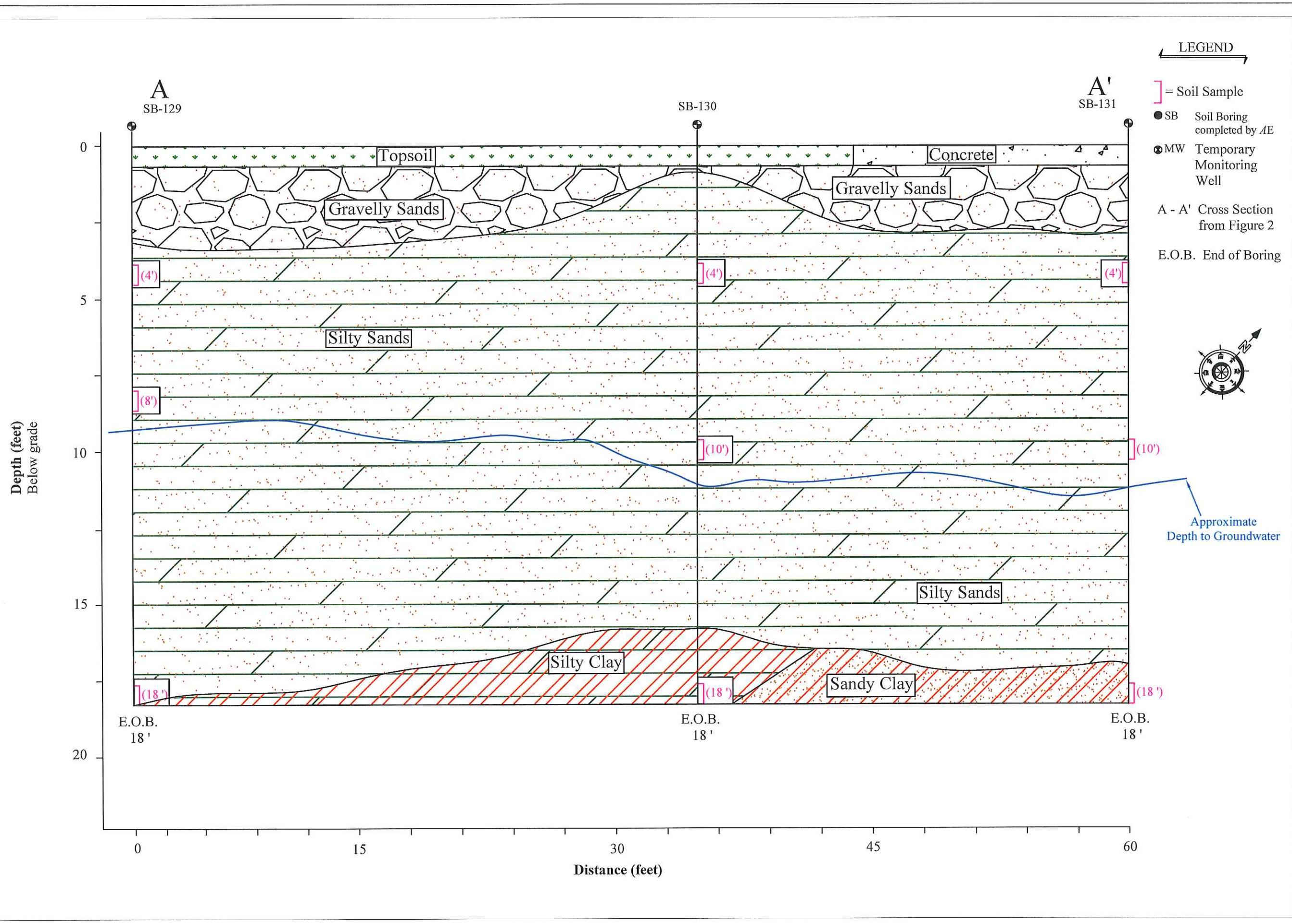
04/22/14 SB-129 twb			
ANALYTE	DW	GSI	Exceedance
Trichloroethene	5.0	200.0	9.0

04/03/14 MW-112S			
ANALYTE	DW	GSI	Exceedance
Vinyl chloride	2.00	13.00	6.00

04/03/14 MW-105S			
ANALYTE	DW	GSI	Exceedance
Tetrachloroethene	5.0	60.0	47.0



ATTACHMENT #1: CROSS SECTION DIAGRAMS

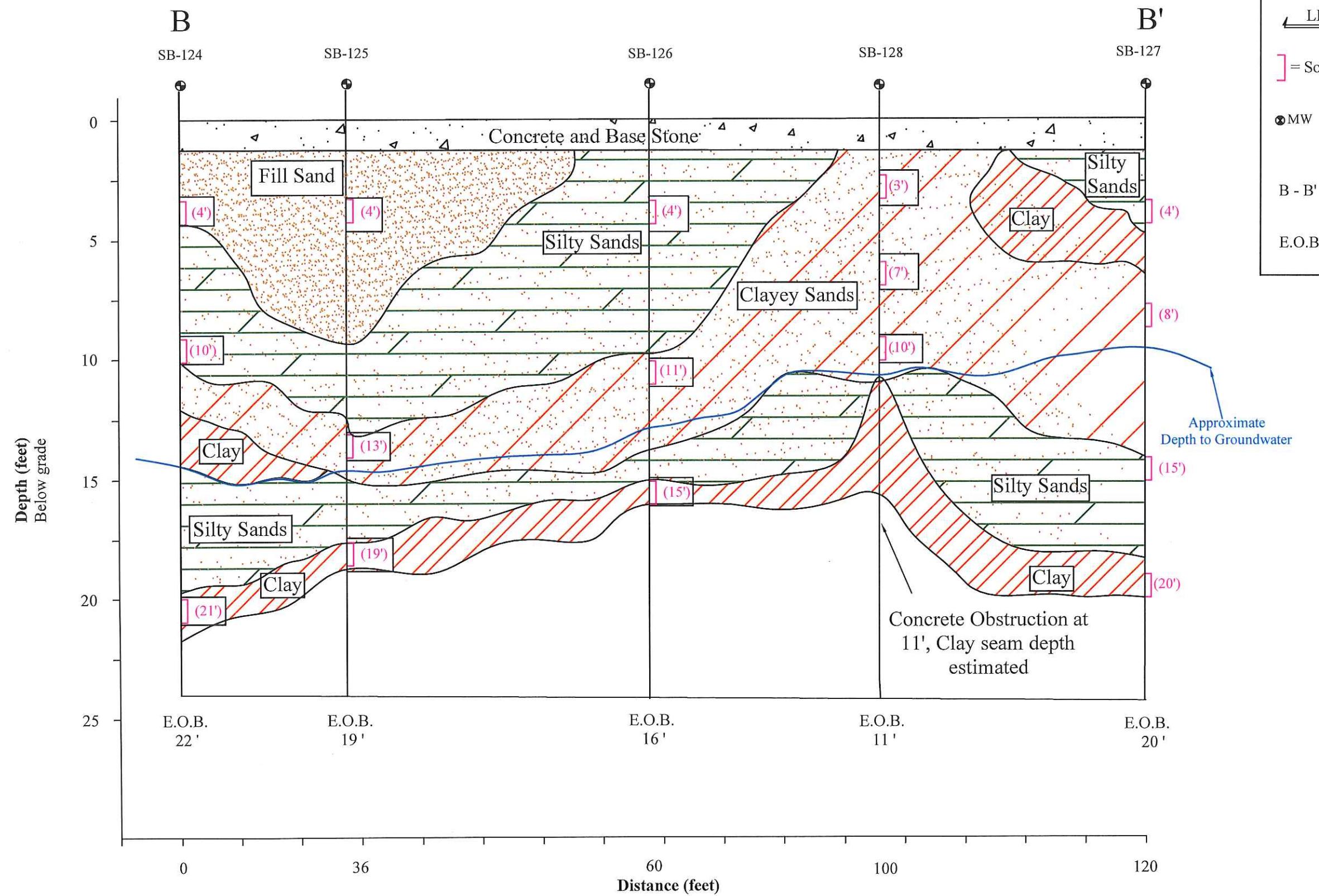


DATE:	SCALE:
2014	As Noted
PROJECT:	Attachment:
11-4317-102	1A

**Applied EcoSystems, Inc.**  
Environmental Management, Consulting & Field Services  
G-4300 South Saginaw Street, Burton, Michigan 48529  
Phone: 810.715.2525; Fax: 810.715.2526



Racer Flint West - 12990  
Flint West Industrial Land, Flint, MI



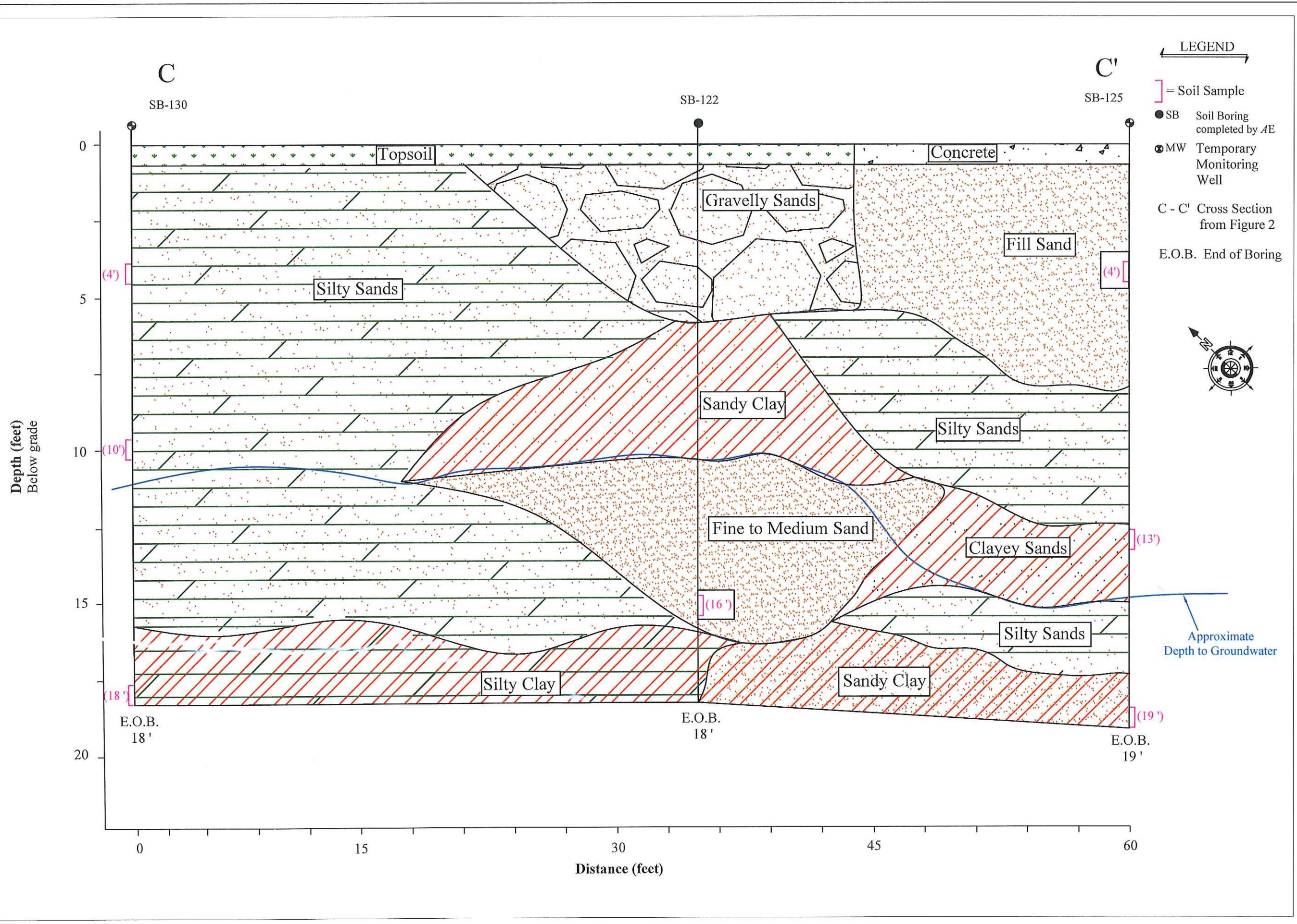
DATE:	SCALE:
2014	As Noted
PROJECT:	Attachment:
11-4317-102	1B

**Cross Section Diagram B - B'  
Spring Sampling Events**

Racer Flint West -12990  
Flint West Industrial Land, Flint, MI

**Applied EcoSystems, Inc.**  
Environmental Management, Consulting & Field Services  
G-4300 South Saginaw Street, Burton, Michigan 48329  
Phone: 810.715.2525; Fax: 810.715.2526





ATTACHMENT #2: GROUNDWATER ANALYTICAL TABLES

GROUNDWATER ANALYTICAL DATA  
RACER - Flint West #12990

	Sample ID		MW-100S	MW-101S	MW-102S	MW-103S	MW-104S	MW-105SR	MW-106S	MW-107S	MW-108S	MW-109S	MW-110S	MW-111S	MW-112S	MW-113S	Dup1-104S	Dup2-113S	
	Date Collected		8/21/13	8/21/13	8/21/13	8/22/13	8/21/13	8/21/13	8/21/13	8/21/13	8/22/13	8/22/13	8/22/13	8/22/13	8/21/13	8/22/13	8/21/13	8/22/13	
ANALYTE (mg/L)	DW	GSI																	
Arsenic	0.01	0.01				0.002	0.052						0.011		0.093		0.052		
Barium	2	1.2	G	0.057	0.077	0.064	0.547	0.023	0.079	0.086	0.047	0.071	0.101	0.204	0.062	0.225	0.055	0.020	0.547
Cadmium	0.005	0.004	G																
Chromium	0.1	0.16	G			0.019		0.005	0.071				0.0080	0.026		0.479			
Copper	1	0.20	G										0.005	0.062		0.012			
Lead	0.004	0.028	G			0.004			0.005	0.004			0.019		0.011				
Mercury	0.002	0.0001											0.00005						
Selenium	0.05	0.005							0.007										
Silver	0.034	0.0002																	
Zinc	2.4	0.026	G			0.010		0.005			0.010		0.037		0.030				
	Sample ID		MW-100S	MW-101S	MW-102S	MW-103S	MW-104S	MW-105SR	MW-106S	MW-107S	MW-108S	MW-109S	MW-110S	MW-111S	MW-112S	MW-113S	Dup 1	Dup 2	
	Date Collected		8/21/13	8/21/13	8/21/13	8/22/13	8/21/13	8/21/13	8/21/13	8/21/13	8/22/13	8/22/13	8/22/13	8/22/13	8/21/13	8/22/13	8/21/13	8/22/13	
ANALYTE (ug/L)	DW	GSI																	
PNAs	varies	varies																	
	Sample ID		MW-100S	MW-101S	MW-102S	MW-103S	MW-104S	MW-105SR	MW-106S	MW-107S	MW-108S	MW-109S	MW-110S	MW-111S	MW-112S	MW-113S	Dup 1	Dup 2	
	Date Collected		8/21/13	8/21/13	8/21/13	8/22/13	8/21/13	8/21/13	8/21/13	8/21/13	8/22/13	8/22/13	8/22/13	8/22/13	8/21/13	8/22/13	8/21/13	8/22/13	
ANALYTE (ug/L)	DW	GSI																	
Acetone	730	1,700					15.1							15.1			14.2		
Methyl iodide	NC	NC															0.30		
Carbon disulfide	800	NC			0.25														
2 Butanone (MEK)	13,000	2,200					3.5							8			4.4		
Chloromethane	260	NC					0.89										0.95		
Vinyl Chloride	2.0	13		0.76			1					13		8			1		
Chloroethane	430	1,100					2.02							4.15			1.86		
trichlorofluoromethane	2,600	NA																	
1,1-Dichloroethene	7.0	130					0.22					5		0.30					
Methylene Chloride	5.0	1,500												0.35					
trans-1,2-Dichloroethene	100	1,500										0.94		0.38					
1,1-Dichloroethane	880	740			2						3		2	0.21		0.21			
cis-1,2-Dichloroethene	70	620		1	2						0.51	65		2	4		0.27		
Tetrahydrofuran	95	11,000																	
Chloroform	80	350	0.23					4		0.55		2	0.27						
1,1,1-Trichloroethane	200	89										0.79							
4-Methyl-2-pentanone (M)	1800	1E+09					0.43							1.62					
2-Hexanone	1000	1E+09					1.01				0.22			3.17			1.15		
Carbotetrachloride	5.0	45										4							
Benzene	5.0	200					0.84							0.15			0.83		
Bromodichloromethane	80.0	NC					0.61												
Trichloroethene	5.0	200	8	7	0.44			8		5		183	6	4	21				
Toluene	790	270									0.17		0.23						
Tetrachloroethene	5.0	60																	
Chlorobenzene	100	25					0.18										2		
Styrene	100	80					3												
Total Xylenes	280	41																	
1,2,4-Trimethylbenzene	63	17																	
1,2,3-Trimethylbenzene	NC	NC																	
Naphthalene	520	11																	
2-Methylnaphthalene	260	19															0.21		

NOTES:

X	Blank cells indicate no detectable concentrations
X	Exceeds DW criteria
X	Exceeds GSI criteria
X	Exceeds both DW and GSI criteria
X	Compound also found in associated method blank, suggesting a laboratory artifact.
NC	Insufficient data to develop criterion/no criterion
G	Groundwater to Surface Water Interface Criteria - calculated based on 257ppm total hardness in the Flint River

GROUNDWATER ANALYTICAL DATA  
RACER - Flint West #12990

	Sample ID		MW-100S	MW-101S	MW-102S	MW-103S	MW-104S	MW-105SR	MW-106S	MW-107S	MW-108S	MW-109S	MW-110S	MW-111S	MW-112S	MW-113S	Dup1	Dup2	Dup3	
	Date Collected		12/12/13	12/11/13	12/11/13	12/16/13	12/17/13	12/16/13	12/17/13	12/17/13	12/11/13	12/11/13	12/11/13	12/16/13	12/12/13	12/11/13	12/17/13	12/16/13	12/11/13	
ANALYTE (mg/L)	DW	GSI																		
Arsenic (dissolved)	0.01	0.01	0.002				0.023			0.004			0.002			0.003		0.004		
Arsenic	0.01	0.01		0.006	0.019	0.024			0.002	0.099	0.02	0.013	0.045	0.041		0.274	0.364	0.023	0.024	
Barium	2	1.2	G																	
Cadmium	0.005	0.004	G																	
Chromium (dissolved)	0.1	0.16	G		0.006	0.037		0.01		0.015					0.005		0.035		0.005	
Chromium	0.1	0.16	G		0.019	0.086		0.01	3.480	40.000	0.09	0.034	0.059	0.1010	0.005	0.256	2.920	0.876	0.043	
Copper (dissolved)	1	0.020	G						0.005	0.009	0.11		0.008	0.017		0.030	0.008		0.013	
Copper	1	0.020	G		0.019	0.0250		0.021	0.118	0.747		0.04	0.077	0.278		0.418	4.160	0.020	0.118	
Lead (dissolved)	0.004	0.028	G													0.003				
Lead	0.004	0.028	G		0.009	0.013					0.146	0.03	0.055	0.059	0.061		0.257	3.310		0.026
Mercury	0.002	0.0001																		
Selenium (dissolved)	0.05	0.005							0.010											
Selenium	0.05	0.005							0.010	0.008	0.01									
Silver	0.034	0.0002																		
Zinc (dissolved)	2.4	0.026	G	0.206	0.025	0.056		0.04		0.082	0.06	0.072	0.063	0.26		0.136	0.502	0.026	0.077	0.117
Zinc	2.4	0.026	G		0.042	0.060				0.657	0.19	0.121	0.178	0.20		0.929	7.03			0.105
	Sample ID		MW-100S	MW-101S	MW-102S	MW-103S	MW-104S	MW-105SR	MW-106S	MW-107S	MW-108S	MW-109S	MW-110S	MW-111S	MW-112S	MW-113S	Dup1	Dup2	Dup3	
	Date Collected		12/12/13	12/11/13	12/11/13	12/16/13	12/17/13	12/16/13	12/17/13	12/17/13	12/11/13	12/11/13	12/11/13	12/16/13	12/12/13	12/11/13	12/17/13	12/16/13	12/11/13	
ANALYTE (ug/L)	DW	GSI																		
PNAs	varies	varies																		
	Sample ID		MW-100S	MW-101S	MW-102S	MW-103S	MW-104S	MW-105SR	MW-106S	MW-107S	MW-108S	MW-109S	MW-110S	MW-111S	MW-112S	MW-113S	Dup1	Dup2	Dup3	
	Date Collected		12/12/13	12/11/13	12/11/13	12/16/13	12/17/13	12/16/13	12/17/13	12/17/13	12/11/13	12/11/13	12/11/13	12/16/13	12/12/13	12/11/13	12/17/13	12/16/13	12/11/13	
ANALYTE (ug/L)	DW	GSI																		

	MW-100S	MW-101S	MW-102S	MW-103S	MW-104S	MW-105SR	MW-106S	MW-107S	MW-108S	MW-109S	MW-110S	MW-111S	MW-112S	MW-113S	Dup1	Dup2	Dup3	
ANALYTE (ug/L)																		
Acetone	730	1,700		151	119	7.8		6.2			6.2		9.5		7.7		6.4	53
Methyl iodide	NC	NC																
Carbon disulfide	800	NC													0.17			
2 Butanone (MEK)	13,000	2,200													4.3			
Chloromethane	260	NC																
Vinyl Chloride	2.0	13					2			1.00		8	99	3			2	
Chloroethane	430	1,100													0.9			
trichlorofluoromethane	2,600	NA																
1,1-Dichloroethene	7.0	130																
Methylene Chloride	5.0	1,500																
trans-1,2-Dichloroethene	100	1,500																
1,1-Dichloroethane	880	740				0.190					0.17		2.60	4	0.97	0.40		0.15
cis-1,2-Dichloroethene	70	620				0.370					4	0.95	68	160	2	12		0.37
Tetrahydrofuran	95	11,000													6.9			
Chloroform	80	350		0.55			6.00				3					5.000		
1,1,1-Trichloroethane	200	89													0.30			
4-Methyl-2-pentanone (Ml)	1800	1E+09														0.81		
2-Hexanone	1000	1E+09														2.00		
Carbon tetrachloride	5.0	45													2			
Benzene	5.0	200					1.00			0.16	0.12				0.27		1.00	
Bromodichloromethane	80.0	NC					0.90											0.96
Trichloroethene	5.0	200		4	2				</td									

GROUNDWATER ANALYTICAL DATA  
RACER - Flint West #12990

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**NOTES**

NOTE:	Blank cells indicate no detectable concentrations
X	Exceeds DW criteria
X	Exceeds GSI criteria <span style="border: 1px solid black; padding: 2px;">G</span>
X	Exceeds both DW and GSI criteria
X	Compound also found in associated method blank, suggesting a laboratory artifact.
NC	Insufficient data to develop criterion/no criterion
G	Groundwater to Surface Water Interface Criteria - calculated based on 257ppm total hardness in the Flint River

ATTACHMENT #3: GROUNDWATER ANALYTICAL LABORATORY REPORT



# Analytical Laboratory Report

Report ID: S60494.01(01)  
Generated on 04/14/2014

## Report to

Attention: Mike Smith  
Applied Ecosystems  
G4300 S. Saginaw St.  
Burton, MI 48529

Phone: 810-715-2525 FAX: 810-715-2526  
Email: ae\_mds@yahoo.com

Additional Contacts: Jesse Anderson

## Report produced by

Merit Laboratories, Inc.  
2680 East Lansing Drive  
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Contacts for report questions:  
Kevin George (kgeorge@meritlabs.com)  
Barbara Ball (bball@meritlabs.com)

## Report Summary

Lab Sample ID(s): S60494.01-S60494.09

Project: Monitoring

Collected Date: 03/29/2014

Submitted Date/Time: 04/01/2014 13:45

Sampled by: Unknown

P.O. #: PO194737

## Report Notes

Results relate only to items tested as received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).

Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc..

## Laboratory Certifications:

Michigan DNRE (#9956), DOD/ISO 17025 (#69699), WBENC (#2005110032), Ohio EPA (#CL0002)

IN Drinking Water (#C-MI-07), NELAC NY (#11814), NCDENR (#680), NC Drinking Water (#26702)

Some analytes reported may not be certified. Full certification lists are available upon request.

A handwritten signature in black ink that reads "Violetta F. Murshak".

Violetta F. Murshak  
Laboratory Director



# Analytical Laboratory Report

## Sample Summary (9 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S60494.01	MW-108S	Groundwater	03/29/2014 13:00
S60494.02	MW-109S	Groundwater	03/29/2014 14:00
S60494.03	MW-113S	Groundwater	03/29/2014 15:00
S60494.04	MW-111S	Groundwater	03/29/2014 16:00
S60494.05	MW-110S	Groundwater	03/29/2014 17:00
S60494.06	MW-103S	Groundwater	03/29/2014 18:00
S60494.07	Field Blank	Water	03/29/2014 00:01
S60494.08	Trip Blank	Water	03/29/2014 00:01
S60494.09	Duplicate	Groundwater	03/29/2014 00:01



# Analytical Laboratory Report

Lab Sample ID: S60494.01

Sample Tag: MW-108S

Collected Date/Time: 03/29/2014 13:00

Matrix: Groundwater

COC Reference: 82698

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
4	40ml Glass	HCL	Yes	5.1	IR
1	125ml Plastic	None	Yes	5.1	IR
1	125ml Plastic	HNO3	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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**Extraction / Prep.**

Metal Digestion	Completed			SW3015A	04/11/14 10:40	CCM
Metal Digestion	Completed			SW3015A	04/11/14 10:40	CCM
pH check for VOCs	<2	STD Units		N/A	04/04/14 10:12	LBR

**Metals**

Arsenic, Dissolved	Not detected	mg/L	0.002	E200.8	04/11/14 14:17	CCM	0.00023
Arsenic	Not detected	mg/L	0.002	E200.8	04/11/14 14:20	CCM	0.00023
Chromium, Dissolved	Not detected	mg/L	0.005	E200.8	04/11/14 14:17	CCM	0.00014
Chromium	Not detected	mg/L	0.005	E200.8	04/11/14 14:20	CCM	0.00014
Copper, Dissolved	Not detected	mg/L	0.004	E200.8	04/11/14 14:17	CCM	0.00019
Copper	Not detected	mg/L	0.004	E200.8	04/11/14 14:20	CCM	0.00019
Lead, Dissolved	Not detected	mg/L	0.003	E200.8	04/11/14 14:17	CCM	0.00020
Lead	Not detected	mg/L	0.003	E200.8	04/11/14 14:20	CCM	0.00020
Selenium, Dissolved	0.005	mg/L	0.005	E200.8	04/11/14 14:17	CCM	0.00048
Selenium	0.006	mg/L	0.005	E200.8	04/11/14 14:20	CCM	0.00048
Zinc, Dissolved	0.016	mg/L	0.005	E200.8	04/14/14 13:31	PER	0.00064
Zinc	0.023	mg/L	0.005	E200.8	04/14/14 13:29	PER	0.00064

**Organics - Volatiles****Volatile Organics - DEQ List**

Diethyl ether	Not detected	ug/L	10	SW8260B	04/03/14 16:25	WAT	0.50
Acetone	Not detected	ug/L	50	SW8260B	04/03/14 16:25	WAT	0.56
Methyl iodide	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.25
Carbon disulfide	Not detected	ug/L	5	SW8260B	04/03/14 16:25	WAT	0.24
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260B	04/03/14 16:25	WAT	0.19
Acrylonitrile	Not detected	ug/L	2	SW8260B	04/03/14 16:25	WAT	0.57
2-Butanone (MEK)	Not detected	ug/L	25	SW8260B	04/03/14 16:25	WAT	0.26
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260B	04/03/14 16:25	WAT	0.50
Chloromethane	Not detected	ug/L	5	SW8260B	04/03/14 16:25	WAT	0.26
Vinyl chloride	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.31
Bromomethane	Not detected	ug/L	5	SW8260B	04/03/14 16:25	WAT	0.32
Chloroethane	Not detected	ug/L	5	SW8260B	04/03/14 16:25	WAT	0.34
Trichlorofluoromethane	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.33
1,1-Dichloroethene	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.27
Methylene chloride	Not detected	ug/L	5	SW8260B	04/03/14 16:25	WAT	0.29
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.20
1,1-Dichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.20
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.26
Tetrahydrofuran	Not detected	ug/L	90	SW8260B	04/03/14 16:25	WAT	1.3
Chloroform	0.35	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.21

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60494.01 (continued)

Sample Tag: MW-108S

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
Bromochloromethane	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.38	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.28	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260B	04/03/14 16:25	WAT	0.14	
2-Hexanone	Not detected	ug/L	50	SW8260B	04/03/14 16:25	WAT	0.29	
Carbon tetrachloride	2	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.20	
Benzene	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.20	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.16	
Trichloroethene	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.23	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.20	
Bromodichloromethane	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.23	
Dibromomethane	Not detected	ug/L	5	SW8260B	04/03/14 16:25	WAT	0.20	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.19	
Toluene	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.25	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.25	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.28	
Tetrachloroethene	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.20	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.20	
Dibromochloromethane	Not detected	ug/L	5	SW8260B	04/03/14 16:25	WAT	0.24	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.30	
Chlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.17	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.24	
Ethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.26	
p,m-Xylene	Not detected	ug/L	2	SW8260B	04/03/14 16:25	WAT	0.41	
o-Xylene	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.25	
Styrene	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.18	
Isopropylbenzene	Not detected	ug/L	5	SW8260B	04/03/14 16:25	WAT	0.25	
Bromoform	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.22	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.18	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.33	
n-Propylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.23	
Bromobenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.27	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.26	
tert-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.18	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.22	
sec-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.25	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260B	04/03/14 16:25	WAT	0.21	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.24	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.23	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.28	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.061	
n-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:25	WAT	0.22	
Hexachloroethane	Not detected	ug/L	5	SW8260B	04/03/14 16:25	WAT	0.21	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260B	04/03/14 16:25	WAT	0.47	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/03/14 16:25	WAT	0.19	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/03/14 16:25	WAT	0.20	
Naphthalene	Not detected	ug/L	5	SW8260B	04/03/14 16:25	WAT	0.21	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260B	04/03/14 16:25	WAT	0.16	



# Analytical Laboratory Report

Lab Sample ID: S60494.02

Sample Tag: MW-109S

Collected Date/Time: 03/29/2014 14:00

Matrix: Groundwater

COC Reference: 82698

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
4	40ml Glass	HCL	Yes	5.1	IR
1	125ml Plastic	None	Yes	5.1	IR
1	125ml Plastic	HNO3	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Extraction / Prep.</b>								
Metal Digestion	Completed			SW3015A	04/11/14 10:40		CCM	
Metal Digestion	Completed			SW3015A	04/11/14 10:40		CCM	
pH check for VOCs	<2	STD Units		N/A	04/04/14 10:12		LBR	

## Metals

Arsenic, Dissolved	Not detected	mg/L	0.002	E200.8	04/11/14 14:45	CCM	0.00023	
Arsenic	Not detected	mg/L	0.002	E200.8	04/11/14 14:23	CCM	0.00023	
Chromium, Dissolved	Not detected	mg/L	0.005	E200.8	04/11/14 14:45	CCM	0.00014	
Chromium	Not detected	mg/L	0.005	E200.8	04/11/14 14:23	CCM	0.00014	
Copper, Dissolved	Not detected	mg/L	0.004	E200.8	04/11/14 14:45	CCM	0.00019	
Copper	Not detected	mg/L	0.004	E200.8	04/11/14 14:23	CCM	0.00019	
Lead, Dissolved	Not detected	mg/L	0.003	E200.8	04/11/14 14:45	CCM	0.00020	
Lead	Not detected	mg/L	0.003	E200.8	04/11/14 14:23	CCM	0.00020	
Selenium, Dissolved	Not detected	mg/L	0.005	E200.8	04/11/14 14:45	CCM	0.00048	
Selenium	Not detected	mg/L	0.005	E200.8	04/11/14 14:23	CCM	0.00048	
Zinc, Dissolved	0.018	mg/L	0.005	E200.8	04/14/14 13:33	PER	0.00064	
Zinc	0.021	mg/L	0.005	E200.8	04/14/14 13:32	PER	0.00064	

## Organics - Volatiles

### Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260B	04/03/14 16:47	WAT	0.50	
Acetone	1.22	ug/L	50	SW8260B	04/03/14 16:47	WAT	0.56	J
Methyl iodide	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.25	
Carbon disulfide	Not detected	ug/L	5	SW8260B	04/03/14 16:47	WAT	0.24	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260B	04/03/14 16:47	WAT	0.19	
Acrylonitrile	Not detected	ug/L	2	SW8260B	04/03/14 16:47	WAT	0.57	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260B	04/03/14 16:47	WAT	0.26	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260B	04/03/14 16:47	WAT	0.50	
Chloromethane	Not detected	ug/L	5	SW8260B	04/03/14 16:47	WAT	0.26	
Vinyl chloride	18	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.31	
Bromomethane	Not detected	ug/L	5	SW8260B	04/03/14 16:47	WAT	0.32	
Chloroethane	Not detected	ug/L	5	SW8260B	04/03/14 16:47	WAT	0.34	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.33	
1,1-Dichloroethene	4	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.27	
Methylene chloride	Not detected	ug/L	5	SW8260B	04/03/14 16:47	WAT	0.29	
trans-1,2-Dichloroethene	0.92	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.20	J
1,1-Dichloroethane	3	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.20	
cis-1,2-Dichloroethene	59	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.26	
Tetrahydrofuran	Not detected	ug/L	90	SW8260B	04/03/14 16:47	WAT	1.3	
Chloroform	0.35	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.21	J

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60494.02 (continued)

Sample Tag: MW-109S

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
Bromochloromethane	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.38	
1,1,1-Trichloroethane	0.48	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.28	J
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260B	04/03/14 16:47	WAT	0.14	
2-Hexanone	Not detected	ug/L	50	SW8260B	04/03/14 16:47	WAT	0.29	
Carbon tetrachloride	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.20	
Benzene	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.20	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.16	
Trichloroethene	102	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.23	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.20	
Bromodichloromethane	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.23	
Dibromomethane	Not detected	ug/L	5	SW8260B	04/03/14 16:47	WAT	0.20	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.19	
Toluene	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.25	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.25	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.28	
Tetrachloroethene	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.20	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.20	
Dibromochloromethane	Not detected	ug/L	5	SW8260B	04/03/14 16:47	WAT	0.24	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.30	
Chlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.17	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.24	
Ethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.26	
p,m-Xylene	Not detected	ug/L	2	SW8260B	04/03/14 16:47	WAT	0.41	
o-Xylene	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.25	
Styrene	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.18	
Isopropylbenzene	Not detected	ug/L	5	SW8260B	04/03/14 16:47	WAT	0.25	
Bromoform	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.22	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.18	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.33	
n-Propylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.23	
Bromobenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.27	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.26	
tert-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.18	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.22	
sec-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.25	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260B	04/03/14 16:47	WAT	0.21	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.24	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.23	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.28	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.061	
n-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:47	WAT	0.22	
Hexachloroethane	Not detected	ug/L	5	SW8260B	04/03/14 16:47	WAT	0.21	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260B	04/03/14 16:47	WAT	0.47	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/03/14 16:47	WAT	0.19	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/03/14 16:47	WAT	0.20	
Naphthalene	Not detected	ug/L	5	SW8260B	04/03/14 16:47	WAT	0.21	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260B	04/03/14 16:47	WAT	0.16	

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60494.03

Sample Tag: MW-113S

Collected Date/Time: 03/29/2014 15:00

Matrix: Groundwater

COC Reference: 82698

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
4	40ml Glass	HCL	Yes	5.1	IR
1	125ml Plastic	None	Yes	5.1	IR
1	125ml Plastic	HNO3	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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### Extraction / Prep.

Metal Digestion	Completed			SW3015A	04/11/14 10:40	CCM
Metal Digestion	Completed			SW3015A	04/11/14 10:40	CCM
pH check for VOCs	<2	STD Units		N/A	04/04/14 10:12	LBR

### Metals

Arsenic, Dissolved	Not detected	mg/L	0.002	E200.8	04/11/14 14:29	CCM	0.00023
Arsenic	Not detected	mg/L	0.002	E200.8	04/11/14 14:26	CCM	0.00023
Chromium, Dissolved	0.128	mg/L	0.005	E200.8	04/11/14 14:29	CCM	0.00014
Chromium	0.132	mg/L	0.005	E200.8	04/11/14 14:26	CCM	0.00014
Copper, Dissolved	Not detected	mg/L	0.004	E200.8	04/11/14 14:29	CCM	0.00019
Copper	Not detected	mg/L	0.004	E200.8	04/11/14 14:26	CCM	0.00019
Lead, Dissolved	Not detected	mg/L	0.003	E200.8	04/11/14 14:29	CCM	0.00020
Lead	Not detected	mg/L	0.003	E200.8	04/11/14 14:26	CCM	0.00020
Selenium, Dissolved	Not detected	mg/L	0.005	E200.8	04/11/14 14:29	CCM	0.00048
Selenium	Not detected	mg/L	0.005	E200.8	04/11/14 14:26	CCM	0.00048
Zinc, Dissolved	0.024	mg/L	0.005	E200.8	04/14/14 13:38	PER	0.00064
Zinc	0.024	mg/L	0.005	E200.8	04/14/14 13:37	PER	0.00064

### Organics - Volatiles

#### Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260B	04/03/14 17:09	WAT	0.50	
Acetone	0.93	ug/L	50	SW8260B	04/03/14 17:09	WAT	0.56	J
Methyl iodide	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.25	
Carbon disulfide	Not detected	ug/L	5	SW8260B	04/03/14 17:09	WAT	0.24	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260B	04/03/14 17:09	WAT	0.19	
Acrylonitrile	Not detected	ug/L	2	SW8260B	04/03/14 17:09	WAT	0.57	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260B	04/03/14 17:09	WAT	0.26	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260B	04/03/14 17:09	WAT	0.50	
Chloromethane	Not detected	ug/L	5	SW8260B	04/03/14 17:09	WAT	0.26	
Vinyl chloride	0.45	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.31	J
Bromomethane	Not detected	ug/L	5	SW8260B	04/03/14 17:09	WAT	0.32	
Chloroethane	Not detected	ug/L	5	SW8260B	04/03/14 17:09	WAT	0.34	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.33	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.27	
Methylene chloride	Not detected	ug/L	5	SW8260B	04/03/14 17:09	WAT	0.29	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.20	
1,1-Dichloroethane	2	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.20	
cis-1,2-Dichloroethene	26	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.26	
Tetrahydrofuran	Not detected	ug/L	90	SW8260B	04/03/14 17:09	WAT	1.3	
Chloroform	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.21	

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60494.03 (continued)

Sample Tag: MW-113S

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
Bromochloromethane	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.38	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.28	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260B	04/03/14 17:09	WAT	0.14	
2-Hexanone	Not detected	ug/L	50	SW8260B	04/03/14 17:09	WAT	0.29	
Carbon tetrachloride	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.20	
Benzene	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.20	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.16	
Trichloroethene	23	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.23	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.20	
Bromodichloromethane	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.23	
Dibromomethane	Not detected	ug/L	5	SW8260B	04/03/14 17:09	WAT	0.20	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.19	
Toluene	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.25	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.25	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.28	
Tetrachloroethene	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.20	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.20	
Dibromochloromethane	Not detected	ug/L	5	SW8260B	04/03/14 17:09	WAT	0.24	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.30	
Chlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.17	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.24	
Ethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.26	
p,m-Xylene	Not detected	ug/L	2	SW8260B	04/03/14 17:09	WAT	0.41	
o-Xylene	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.25	
Styrene	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.18	
Isopropylbenzene	Not detected	ug/L	5	SW8260B	04/03/14 17:09	WAT	0.25	
Bromoform	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.22	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.18	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.33	
n-Propylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.23	
Bromobenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.27	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.26	
tert-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.18	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.22	
sec-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.25	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260B	04/03/14 17:09	WAT	0.21	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.24	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.23	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.28	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.061	
n-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:09	WAT	0.22	
Hexachloroethane	Not detected	ug/L	5	SW8260B	04/03/14 17:09	WAT	0.21	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260B	04/03/14 17:09	WAT	0.47	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/03/14 17:09	WAT	0.19	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/03/14 17:09	WAT	0.20	
Naphthalene	Not detected	ug/L	5	SW8260B	04/03/14 17:09	WAT	0.21	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260B	04/03/14 17:09	WAT	0.16	



# Analytical Laboratory Report

Lab Sample ID: S60494.04

Sample Tag: MW-111S

Collected Date/Time: 03/29/2014 16:00

Matrix: Groundwater

COC Reference: 82698

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
4	40ml Glass	HCL	Yes	5.1	IR
1	125ml Plastic	None	Yes	5.1	IR
1	125ml Plastic	HNO3	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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### Extraction / Prep.

Metal Digestion	Completed			SW3015A	04/11/14 10:40	CCM
Metal Digestion	Completed			SW3015A	04/11/14 10:40	CCM
pH check for VOCs	<2	STD Units		N/A	04/04/14 10:12	LBR

### Metals

Arsenic, Dissolved	Not detected	mg/L	0.002	E200.8	04/11/14 15:18	CCM	0.00023
Arsenic	Not detected	mg/L	0.002	E200.8	04/11/14 14:32	CCM	0.00023
Chromium, Dissolved	0.012	mg/L	0.005	E200.8	04/11/14 15:18	CCM	0.00014
Chromium	0.014	mg/L	0.005	E200.8	04/11/14 14:32	CCM	0.00014
Copper, Dissolved	Not detected	mg/L	0.004	E200.8	04/11/14 15:18	CCM	0.00019
Copper	Not detected	mg/L	0.004	E200.8	04/11/14 14:32	CCM	0.00019
Lead, Dissolved	Not detected	mg/L	0.003	E200.8	04/11/14 15:18	CCM	0.00020
Lead	Not detected	mg/L	0.003	E200.8	04/11/14 14:32	CCM	0.00020
Selenium, Dissolved	Not detected	mg/L	0.005	E200.8	04/11/14 15:18	CCM	0.00048
Selenium	Not detected	mg/L	0.005	E200.8	04/11/14 14:32	CCM	0.00048
Zinc, Dissolved	0.021	mg/L	0.005	E200.8	04/14/14 13:43	PER	0.00064
Zinc	0.019	mg/L	0.005	E200.8	04/14/14 13:42	PER	0.00064

### Organics - Volatiles

#### Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260B	04/03/14 17:30	WAT	0.50	
Acetone	0.72	ug/L	50	SW8260B	04/03/14 17:30	WAT	0.56	J
Methyl iodide	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.25	
Carbon disulfide	Not detected	ug/L	5	SW8260B	04/03/14 17:30	WAT	0.24	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260B	04/03/14 17:30	WAT	0.19	
Acrylonitrile	Not detected	ug/L	2	SW8260B	04/03/14 17:30	WAT	0.57	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260B	04/03/14 17:30	WAT	0.26	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260B	04/03/14 17:30	WAT	0.50	
Chloromethane	Not detected	ug/L	5	SW8260B	04/03/14 17:30	WAT	0.26	
Vinyl chloride	4	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.31	
Bromomethane	Not detected	ug/L	5	SW8260B	04/03/14 17:30	WAT	0.32	
Chloroethane	0.60	ug/L	5	SW8260B	04/03/14 17:30	WAT	0.34	J
Trichlorofluoromethane	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.33	
1,1-Dichloroethene	1	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.27	
Methylene chloride	Not detected	ug/L	5	SW8260B	04/03/14 17:30	WAT	0.29	
trans-1,2-Dichloroethene	0.24	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.20	J
1,1-Dichloroethane	2	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.20	
cis-1,2-Dichloroethene	46	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.26	
Tetrahydrofuran	Not detected	ug/L	90	SW8260B	04/03/14 17:30	WAT	1.3	
Chloroform	0.29	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.21	J

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60494.04 (continued)

Sample Tag: MW-111S

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
Bromochloromethane	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.38	
1,1,1-Trichloroethane	0.75	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.28	J
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260B	04/03/14 17:30	WAT	0.14	
2-Hexanone	Not detected	ug/L	50	SW8260B	04/03/14 17:30	WAT	0.29	
Carbon tetrachloride	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.20	
Benzene	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.20	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.16	
Trichloroethene	92	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.23	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.20	
Bromodichloromethane	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.23	
Dibromomethane	Not detected	ug/L	5	SW8260B	04/03/14 17:30	WAT	0.20	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.19	
Toluene	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.25	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.25	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.28	
Tetrachloroethene	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.20	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.20	
Dibromochloromethane	Not detected	ug/L	5	SW8260B	04/03/14 17:30	WAT	0.24	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.30	
Chlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.17	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.24	
Ethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.26	
p,m-Xylene	Not detected	ug/L	2	SW8260B	04/03/14 17:30	WAT	0.41	
o-Xylene	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.25	
Styrene	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.18	
Isopropylbenzene	Not detected	ug/L	5	SW8260B	04/03/14 17:30	WAT	0.25	
Bromoform	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.22	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.18	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.33	
n-Propylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.23	
Bromobenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.27	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.26	
tert-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.18	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.22	
sec-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.25	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260B	04/03/14 17:30	WAT	0.21	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.24	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.23	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.28	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.061	
n-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:30	WAT	0.22	
Hexachloroethane	Not detected	ug/L	5	SW8260B	04/03/14 17:30	WAT	0.21	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260B	04/03/14 17:30	WAT	0.47	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/03/14 17:30	WAT	0.19	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/03/14 17:30	WAT	0.20	
Naphthalene	Not detected	ug/L	5	SW8260B	04/03/14 17:30	WAT	0.21	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260B	04/03/14 17:30	WAT	0.16	

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60494.05

Sample Tag: MW-110S

Collected Date/Time: 03/29/2014 17:00

Matrix: Groundwater

COC Reference: 82698

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
4	40ml Glass	HCL	Yes	5.1	IR
1	125ml Plastic	None	Yes	5.1	IR
1	125ml Plastic	HNO3	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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### Extraction / Prep.

Metal Digestion	Completed			SW3015A	04/11/14 10:40	CCM
Metal Digestion	Completed			SW3015A	04/11/14 10:40	CCM
pH check for VOCs	<2	STD Units		N/A	04/04/14 10:12	LBR

### Metals

Arsenic, Dissolved	0.021	mg/L	0.002	E200.8	04/11/14 14:39	CCM	0.00023
Arsenic	0.020	mg/L	0.002	E200.8	04/11/14 14:36	CCM	0.00023
Chromium, Dissolved	0.007	mg/L	0.005	E200.8	04/11/14 14:39	CCM	0.00014
Chromium	0.010	mg/L	0.005	E200.8	04/11/14 14:36	CCM	0.00014
Copper, Dissolved	0.028	mg/L	0.004	E200.8	04/11/14 14:39	CCM	0.00019
Copper	0.059	mg/L	0.004	E200.8	04/11/14 14:36	CCM	0.00019
Lead, Dissolved	0.024	mg/L	0.003	E200.8	04/11/14 14:39	CCM	0.00020
Lead	0.028	mg/L	0.003	E200.8	04/11/14 14:36	CCM	0.00020
Selenium, Dissolved	Not detected	mg/L	0.005	E200.8	04/11/14 14:39	CCM	0.00048
Selenium	Not detected	mg/L	0.005	E200.8	04/11/14 14:36	CCM	0.00048
Zinc, Dissolved	0.081	mg/L	0.005	E200.8	04/14/14 13:47	PER	0.00064
Zinc	0.079	mg/L	0.005	E200.8	04/14/14 13:46	PER	0.00064

### Organics - Volatiles

#### Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260B	04/03/14 17:53	WAT	0.50	
Acetone	2.11	ug/L	50	SW8260B	04/03/14 17:53	WAT	0.56	J
Methyl iodide	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.25	
Carbon disulfide	Not detected	ug/L	5	SW8260B	04/03/14 17:53	WAT	0.24	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260B	04/03/14 17:53	WAT	0.19	
Acrylonitrile	Not detected	ug/L	2	SW8260B	04/03/14 17:53	WAT	0.57	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260B	04/03/14 17:53	WAT	0.26	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260B	04/03/14 17:53	WAT	0.50	
Chloromethane	Not detected	ug/L	5	SW8260B	04/03/14 17:53	WAT	0.26	
Vinyl chloride	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.31	
Bromomethane	Not detected	ug/L	5	SW8260B	04/03/14 17:53	WAT	0.32	
Chloroethane	Not detected	ug/L	5	SW8260B	04/03/14 17:53	WAT	0.34	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.33	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.27	
Methylene chloride	Not detected	ug/L	5	SW8260B	04/03/14 17:53	WAT	0.29	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.20	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.20	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.26	
Tetrahydrofuran	Not detected	ug/L	90	SW8260B	04/03/14 17:53	WAT	1.3	
Chloroform	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.21	

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60494.05 (continued)

Sample Tag: MW-110S

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
Bromochloromethane	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.38	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.28	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260B	04/03/14 17:53	WAT	0.14	
2-Hexanone	Not detected	ug/L	50	SW8260B	04/03/14 17:53	WAT	0.29	
Carbon tetrachloride	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.20	
Benzene	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.20	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.16	
Trichloroethene	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.23	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.20	
Bromodichloromethane	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.23	
Dibromomethane	Not detected	ug/L	5	SW8260B	04/03/14 17:53	WAT	0.20	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.19	
Toluene	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.25	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.25	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.28	
Tetrachloroethene	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.20	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.20	
Dibromochloromethane	Not detected	ug/L	5	SW8260B	04/03/14 17:53	WAT	0.24	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.30	
Chlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.17	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.24	
Ethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.26	
p,m-Xylene	Not detected	ug/L	2	SW8260B	04/03/14 17:53	WAT	0.41	
o-Xylene	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.25	
Styrene	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.18	
Isopropylbenzene	Not detected	ug/L	5	SW8260B	04/03/14 17:53	WAT	0.25	
Bromoform	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.22	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.18	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.33	
n-Propylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.23	
Bromobenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.27	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.26	
tert-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.18	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.22	
sec-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.25	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260B	04/03/14 17:53	WAT	0.21	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.24	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.23	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.28	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.061	
n-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 17:53	WAT	0.22	
Hexachloroethane	Not detected	ug/L	5	SW8260B	04/03/14 17:53	WAT	0.21	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260B	04/03/14 17:53	WAT	0.47	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/03/14 17:53	WAT	0.19	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/03/14 17:53	WAT	0.20	
Naphthalene	Not detected	ug/L	5	SW8260B	04/03/14 17:53	WAT	0.21	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260B	04/03/14 17:53	WAT	0.16	



# Analytical Laboratory Report

Lab Sample ID: S60494.06

Sample Tag: MW-103S

Collected Date/Time: 03/29/2014 18:00

Matrix: Groundwater

COC Reference: 82698

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
4	40ml Glass	HCL	Yes	5.1	IR
1	125ml Plastic	None	Yes	5.1	IR
1	125ml Plastic	HNO3	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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### Extraction / Prep.

Metal Digestion	Completed			SW3015A	04/11/14 10:40	CCM
Metal Digestion	Completed			SW3015A	04/11/14 10:40	CCM
pH check for VOCs	<2	STD Units		N/A	04/04/14 10:12	LBR

### Metals

Arsenic, Dissolved	0.011	mg/L	0.002	E200.8	04/11/14 15:08	CCM	0.00023
Arsenic	0.010	mg/L	0.002	E200.8	04/11/14 14:42	CCM	0.00023
Chromium, Dissolved	Not detected	mg/L	0.005	E200.8	04/11/14 15:08	CCM	0.00014
Chromium	Not detected	mg/L	0.005	E200.8	04/11/14 14:42	CCM	0.00014
Copper, Dissolved	Not detected	mg/L	0.004	E200.8	04/11/14 15:08	CCM	0.00019
Copper	0.005	mg/L	0.004	E200.8	04/11/14 14:42	CCM	0.00019
Lead, Dissolved	Not detected	mg/L	0.003	E200.8	04/11/14 15:08	CCM	0.00020
Lead	Not detected	mg/L	0.003	E200.8	04/11/14 14:42	CCM	0.00020
Selenium, Dissolved	Not detected	mg/L	0.005	E200.8	04/11/14 15:08	CCM	0.00048
Selenium	Not detected	mg/L	0.005	E200.8	04/11/14 14:42	CCM	0.00048
Zinc, Dissolved	0.023	mg/L	0.005	E200.8	04/14/14 13:50	PER	0.00064
Zinc	0.030	mg/L	0.005	E200.8	04/14/14 13:49	PER	0.00064

### Organics - Volatiles

#### Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260B	04/03/14 18:15	WAT	0.50	
Acetone	1.69	ug/L	50	SW8260B	04/03/14 18:15	WAT	0.56	J
Methyl iodide	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.25	
Carbon disulfide	Not detected	ug/L	5	SW8260B	04/03/14 18:15	WAT	0.24	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260B	04/03/14 18:15	WAT	0.19	
Acrylonitrile	Not detected	ug/L	2	SW8260B	04/03/14 18:15	WAT	0.57	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260B	04/03/14 18:15	WAT	0.26	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260B	04/03/14 18:15	WAT	0.50	
Chloromethane	Not detected	ug/L	5	SW8260B	04/03/14 18:15	WAT	0.26	
Vinyl chloride	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.31	
Bromomethane	Not detected	ug/L	5	SW8260B	04/03/14 18:15	WAT	0.32	
Chloroethane	Not detected	ug/L	5	SW8260B	04/03/14 18:15	WAT	0.34	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.33	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.27	
Methylene chloride	Not detected	ug/L	5	SW8260B	04/03/14 18:15	WAT	0.29	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.20	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.20	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.26	
Tetrahydrofuran	Not detected	ug/L	90	SW8260B	04/03/14 18:15	WAT	1.3	
Chloroform	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.21	

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60494.06 (continued)

Sample Tag: MW-103S

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
Bromochloromethane	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.38	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.28	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260B	04/03/14 18:15	WAT	0.14	
2-Hexanone	Not detected	ug/L	50	SW8260B	04/03/14 18:15	WAT	0.29	
Carbon tetrachloride	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.20	
Benzene	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.20	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.16	
Trichloroethene	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.23	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.20	
Bromodichloromethane	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.23	
Dibromomethane	Not detected	ug/L	5	SW8260B	04/03/14 18:15	WAT	0.20	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.19	
Toluene	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.25	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.25	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.28	
Tetrachloroethene	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.20	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.20	
Dibromochloromethane	Not detected	ug/L	5	SW8260B	04/03/14 18:15	WAT	0.24	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.30	
Chlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.17	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.24	
Ethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.26	
p,m-Xylene	Not detected	ug/L	2	SW8260B	04/03/14 18:15	WAT	0.41	
o-Xylene	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.25	
Styrene	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.18	
Isopropylbenzene	Not detected	ug/L	5	SW8260B	04/03/14 18:15	WAT	0.25	
Bromoform	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.22	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.18	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.33	
n-Propylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.23	
Bromobenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.27	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.26	
tert-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.18	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.22	
sec-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.25	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260B	04/03/14 18:15	WAT	0.21	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.24	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.23	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.28	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.061	
n-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:15	WAT	0.22	
Hexachloroethane	Not detected	ug/L	5	SW8260B	04/03/14 18:15	WAT	0.21	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260B	04/03/14 18:15	WAT	0.47	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/03/14 18:15	WAT	0.19	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/03/14 18:15	WAT	0.20	
Naphthalene	Not detected	ug/L	5	SW8260B	04/03/14 18:15	WAT	0.21	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260B	04/03/14 18:15	WAT	0.16	



# Analytical Laboratory Report

Lab Sample ID: S60494.07

Sample Tag: Field Blank

Collected Date/Time: 03/29/2014 00:01

Matrix: Water

COC Reference: 82698

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
4	40ml Glass	HCL	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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### Extraction / Prep.

pH check for VOCs	<2	STD Units	N/A	04/04/14 10:12	LRB
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### Organics - Volatiles

#### Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260B	04/03/14 15:41	WAT	0.50	
Acetone	5.05	ug/L	50	SW8260B	04/03/14 15:41	WAT	0.56	J
Methyl iodide	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.25	
Carbon disulfide	Not detected	ug/L	5	SW8260B	04/03/14 15:41	WAT	0.24	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260B	04/03/14 15:41	WAT	0.19	
Acrylonitrile	Not detected	ug/L	2	SW8260B	04/03/14 15:41	WAT	0.57	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260B	04/03/14 15:41	WAT	0.26	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260B	04/03/14 15:41	WAT	0.50	
Chloromethane	Not detected	ug/L	5	SW8260B	04/03/14 15:41	WAT	0.26	
Vinyl chloride	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.31	
Bromomethane	Not detected	ug/L	5	SW8260B	04/03/14 15:41	WAT	0.32	
Chloroethane	Not detected	ug/L	5	SW8260B	04/03/14 15:41	WAT	0.34	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.33	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.27	
Methylene chloride	Not detected	ug/L	5	SW8260B	04/03/14 15:41	WAT	0.29	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.20	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.20	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.26	
Tetrahydrofuran	Not detected	ug/L	90	SW8260B	04/03/14 15:41	WAT	1.3	
Chloroform	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.21	
Bromochloromethane	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.38	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.28	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260B	04/03/14 15:41	WAT	0.14	
2-Hexanone	Not detected	ug/L	50	SW8260B	04/03/14 15:41	WAT	0.29	
Carbon tetrachloride	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.20	
Benzene	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.20	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.16	
Trichloroethene	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.23	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.20	
Bromodichloromethane	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.23	
Dibromomethane	Not detected	ug/L	5	SW8260B	04/03/14 15:41	WAT	0.20	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.19	
Toluene	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.25	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.25	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.28	
Tetrachloroethene	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.20	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.20	
Dibromochloromethane	Not detected	ug/L	5	SW8260B	04/03/14 15:41	WAT	0.24	

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60494.07 (continued)

Sample Tag: Field Blank

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
1,2-Dibromoethane	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.30	
Chlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.17	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.24	
Ethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.26	
p,m-Xylene	Not detected	ug/L	2	SW8260B	04/03/14 15:41	WAT	0.41	
o-Xylene	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.25	
Styrene	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.18	
Isopropylbenzene	Not detected	ug/L	5	SW8260B	04/03/14 15:41	WAT	0.25	
Bromoform	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.22	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.18	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.33	
n-Propylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.23	
Bromobenzene	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.27	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.26	
tert-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.18	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.22	
sec-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.25	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260B	04/03/14 15:41	WAT	0.21	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.24	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.23	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.28	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.061	
n-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 15:41	WAT	0.22	
Hexachloroethane	Not detected	ug/L	5	SW8260B	04/03/14 15:41	WAT	0.21	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260B	04/03/14 15:41	WAT	0.47	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/03/14 15:41	WAT	0.19	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/03/14 15:41	WAT	0.20	
Naphthalene	Not detected	ug/L	5	SW8260B	04/03/14 15:41	WAT	0.21	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260B	04/03/14 15:41	WAT	0.16	



# Analytical Laboratory Report

Lab Sample ID: S60494.08

Sample Tag: Trip Blank

Collected Date/Time: 03/29/2014 00:01

Matrix: Water

COC Reference: 82698

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
4	40ml Glass	HCL	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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### Extraction / Prep.

pH check for VOCs	<2	STD Units	N/A	04/04/14 10:12	LRB
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### Organics - Volatiles

#### Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260B	04/03/14 16:03	WAT	0.50	
Acetone	4.70	ug/L	50	SW8260B	04/03/14 16:03	WAT	0.56	J
Methyl iodide	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.25	
Carbon disulfide	Not detected	ug/L	5	SW8260B	04/03/14 16:03	WAT	0.24	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260B	04/03/14 16:03	WAT	0.19	
Acrylonitrile	Not detected	ug/L	2	SW8260B	04/03/14 16:03	WAT	0.57	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260B	04/03/14 16:03	WAT	0.26	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260B	04/03/14 16:03	WAT	0.50	
Chloromethane	Not detected	ug/L	5	SW8260B	04/03/14 16:03	WAT	0.26	
Vinyl chloride	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.31	
Bromomethane	Not detected	ug/L	5	SW8260B	04/03/14 16:03	WAT	0.32	
Chloroethane	Not detected	ug/L	5	SW8260B	04/03/14 16:03	WAT	0.34	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.33	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.27	
Methylene chloride	Not detected	ug/L	5	SW8260B	04/03/14 16:03	WAT	0.29	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.20	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.20	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.26	
Tetrahydrofuran	Not detected	ug/L	90	SW8260B	04/03/14 16:03	WAT	1.3	
Chloroform	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.21	
Bromochloromethane	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.38	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.28	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260B	04/03/14 16:03	WAT	0.14	
2-Hexanone	Not detected	ug/L	50	SW8260B	04/03/14 16:03	WAT	0.29	
Carbon tetrachloride	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.20	
Benzene	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.20	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.16	
Trichloroethene	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.23	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.20	
Bromodichloromethane	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.23	
Dibromomethane	Not detected	ug/L	5	SW8260B	04/03/14 16:03	WAT	0.20	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.19	
Toluene	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.25	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.25	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.28	
Tetrachloroethene	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.20	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.20	
Dibromochloromethane	Not detected	ug/L	5	SW8260B	04/03/14 16:03	WAT	0.24	

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60494.08 (continued)

Sample Tag: Trip Blank

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
1,2-Dibromoethane	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.30	
Chlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.17	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.24	
Ethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.26	
p,m-Xylene	Not detected	ug/L	2	SW8260B	04/03/14 16:03	WAT	0.41	
o-Xylene	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.25	
Styrene	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.18	
Isopropylbenzene	Not detected	ug/L	5	SW8260B	04/03/14 16:03	WAT	0.25	
Bromoform	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.22	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.18	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.33	
n-Propylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.23	
Bromobenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.27	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.26	
tert-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.18	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.22	
sec-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.25	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260B	04/03/14 16:03	WAT	0.21	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.24	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.23	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.28	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.061	
n-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 16:03	WAT	0.22	
Hexachloroethane	Not detected	ug/L	5	SW8260B	04/03/14 16:03	WAT	0.21	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260B	04/03/14 16:03	WAT	0.47	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/03/14 16:03	WAT	0.19	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/03/14 16:03	WAT	0.20	
Naphthalene	Not detected	ug/L	5	SW8260B	04/03/14 16:03	WAT	0.21	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260B	04/03/14 16:03	WAT	0.16	



# Analytical Laboratory Report

Lab Sample ID: S60494.09

Sample Tag: Duplicate

Collected Date/Time: 03/29/2014 00:01

Matrix: Groundwater

COC Reference: 82698

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
4	40ml Glass	HCL	Yes	5.1	IR
1	125ml Plastic	None	Yes	5.1	IR
1	125ml Plastic	HNO3	Yes	5.1	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3015A	04/11/14 10:40	CCM
Metal Digestion	Completed			SW3015A	04/11/14 10:40	CCM
pH check for VOCs	<2	STD Units		N/A	04/04/14 10:16	LBR

## Metals

Arsenic, Dissolved	Not detected	mg/L	0.002	E200.8	04/11/14 15:15	CCM	0.00023
Arsenic	Not detected	mg/L	0.002	E200.8	04/11/14 15:11	CCM	0.00023
Chromium, Dissolved	0.014	mg/L	0.005	E200.8	04/11/14 15:15	CCM	0.00014
Chromium	0.016	mg/L	0.005	E200.8	04/11/14 15:11	CCM	0.00014
Copper, Dissolved	Not detected	mg/L	0.004	E200.8	04/11/14 15:15	CCM	0.00019
Copper	Not detected	mg/L	0.004	E200.8	04/11/14 15:11	CCM	0.00019
Lead, Dissolved	Not detected	mg/L	0.003	E200.8	04/11/14 15:15	CCM	0.00020
Lead	Not detected	mg/L	0.003	E200.8	04/11/14 15:11	CCM	0.00020
Selenium, Dissolved	Not detected	mg/L	0.005	E200.8	04/11/14 15:15	CCM	0.00048
Selenium	Not detected	mg/L	0.005	E200.8	04/11/14 15:11	CCM	0.00048
Zinc, Dissolved	0.012	mg/L	0.005	E200.8	04/14/14 13:52	PER	0.00064
Zinc	0.015	mg/L	0.005	E200.8	04/14/14 13:51	PER	0.00064

## Organics - Volatiles

### Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260B	04/03/14 18:36	WAT	0.50	
Acetone	1.06	ug/L	50	SW8260B	04/03/14 18:36	WAT	0.56	J
Methyl iodide	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.25	
Carbon disulfide	Not detected	ug/L	5	SW8260B	04/03/14 18:36	WAT	0.24	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260B	04/03/14 18:36	WAT	0.19	
Acrylonitrile	Not detected	ug/L	2	SW8260B	04/03/14 18:36	WAT	0.57	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260B	04/03/14 18:36	WAT	0.26	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260B	04/03/14 18:36	WAT	0.50	
Chloromethane	Not detected	ug/L	5	SW8260B	04/03/14 18:36	WAT	0.26	
Vinyl chloride	4	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.31	
Bromomethane	Not detected	ug/L	5	SW8260B	04/03/14 18:36	WAT	0.32	
Chloroethane	Not detected	ug/L	5	SW8260B	04/03/14 18:36	WAT	0.34	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.33	
1,1-Dichloroethene	1	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.27	
Methylene chloride	Not detected	ug/L	5	SW8260B	04/03/14 18:36	WAT	0.29	
trans-1,2-Dichloroethene	0.26	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.20	J
1,1-Dichloroethane	2	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.20	
cis-1,2-Dichloroethene	43	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.26	
Tetrahydrofuran	Not detected	ug/L	90	SW8260B	04/03/14 18:36	WAT	1.3	
Chloroform	0.29	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.21	J

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60494.09 (continued)

Sample Tag: Duplicate

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
Bromochloromethane	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.38	
1,1,1-Trichloroethane	0.73	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.28	J
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260B	04/03/14 18:36	WAT	0.14	
2-Hexanone	Not detected	ug/L	50	SW8260B	04/03/14 18:36	WAT	0.29	
Carbon tetrachloride	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.20	
Benzene	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.20	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.16	
Trichloroethene	86	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.23	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.20	
Bromodichloromethane	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.23	
Dibromomethane	Not detected	ug/L	5	SW8260B	04/03/14 18:36	WAT	0.20	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.19	
Toluene	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.25	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.25	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.28	
Tetrachloroethene	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.20	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.20	
Dibromochloromethane	Not detected	ug/L	5	SW8260B	04/03/14 18:36	WAT	0.24	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.30	
Chlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.17	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.24	
Ethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.26	
p,m-Xylene	Not detected	ug/L	2	SW8260B	04/03/14 18:36	WAT	0.41	
o-Xylene	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.25	
Styrene	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.18	
Isopropylbenzene	Not detected	ug/L	5	SW8260B	04/03/14 18:36	WAT	0.25	
Bromoform	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.22	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.18	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.33	
n-Propylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.23	
Bromobenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.27	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.26	
tert-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.18	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.22	
sec-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.25	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260B	04/03/14 18:36	WAT	0.21	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.24	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.23	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.28	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.061	
n-Butylbenzene	Not detected	ug/L	1	SW8260B	04/03/14 18:36	WAT	0.22	
Hexachloroethane	Not detected	ug/L	5	SW8260B	04/03/14 18:36	WAT	0.21	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260B	04/03/14 18:36	WAT	0.47	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/03/14 18:36	WAT	0.19	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/03/14 18:36	WAT	0.20	
Naphthalene	Not detected	ug/L	5	SW8260B	04/03/14 18:36	WAT	0.21	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260B	04/03/14 18:36	WAT	0.16	

J-Estimated value less than reporting limit, but greater than MDL



2680 East Lansing Dr., East Lansing, MI 48823  
Phone (517) 332-0167 Fax (517) 332-4034  
[www.meritlabs.com](http://www.meritlabs.com)

C.O.C. PAGE # \_\_\_\_\_ OF \_\_\_\_\_

82698

**REPORT TO**

## **CHAIN OF CUSTODY RECORD**

**INVOICE TO**

CONTACT NAME	JESSE ANDERSON		
COMPANY			
ADDRESS			
CITY		STATE	ZIP CODE
PHONE NO.	248 688 2475	FAX NO.	P.O. NO.
E-MAIL ADDRESS	JANDERSON@POLLUTIONSYSTEMS.COM		

CONTACT NAME	MIKE SMITH	<input type="checkbox"/> SAME
COMPANY	APPLIED ECO SYSTEMS, INC.	
ADDRESS	64300 S. 50th NW ST.	
CITY	BURTON	STATE MI ZIP CODE 48529
PHONE NO.	810 715 2525	E-MAIL ADDRESS <a href="mailto:ME-MAS@YAHOO.COM">ME-MAS@YAHOO.COM</a>

**ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)**

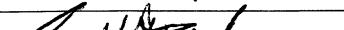
PROJECT NO./NAME	SAMPLER(S) - PLEASE PRINT/SIGN NAME	
TURNAROUND TIME REQUIRED <input type="checkbox"/> 1 DAY <input type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> OTHER _____		
DELIVERABLES REQUIRED <input type="checkbox"/> STD <input type="checkbox"/> LEVEL II <input type="checkbox"/> LEVEL III <input checked="" type="checkbox"/> LEVEL IV <input type="checkbox"/> EDD <input type="checkbox"/> OTHER _____		
MATRIX CODE:	GW=GROUNDWATER SL=SLUDGE WW=WASTEWATER DW=DRINKING WATER S=SOIL O=OIL L=LIQUID WP=WIPE A=AIR SD=SOLID W=WASTE	# Containers & Preservatives

VOCs	Total Metals	Observed Metals				Certifications
						<input type="checkbox"/> OHIO VAP <input type="checkbox"/> Drinking Water
						<input type="checkbox"/> DoD <input type="checkbox"/> NPDES
Project Locations						
<input type="checkbox"/> Detroit <input type="checkbox"/> New York						
<input type="checkbox"/> Other _____						
Special Instructions						

THURS

JWA

**METALS = ARSENIC**  
**LEAD - Selenium**  
**COPPER - Zinc**  
**CHROMIUM**

RELINQUISHED BY: SIGNATURE/ORGANIZATION		Sampler	DATE 4/11/14	TIME 11:00
RECEIVED BY: SIGNATURE/ORGANIZATION			DATE 4-11-14	TIME 11:00
RELINQUISHED BY: SIGNATURE/ORGANIZATION			DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION			DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	<i>John S. Smith</i>	DATE <u>4-1-14</u>	TIME <u>1345</u>
RECEIVED BY: SIGNATURE/ORGANIZATION	<i>Thurman George</i>	DATE <u>4/1/14</u>	TIME <u>1345</u>
SEAL NO.	SEAL INTACT YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	INITIALS	NOTES: TEMP. ON ARRIVAL <u>51</u>
SEAL NO.	SEAL INTACT YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>	INITIALS	



# Analytical Laboratory Report

Report ID: S60781.01(01)  
Generated on 04/30/2014

## Report to

Attention: Mike Smith  
Applied Ecosystems  
G4300 S. Saginaw St.  
Burton, MI 48529

Phone: 810-715-2525 FAX: 810-715-2526  
Email: ae\_mds@yahoo.com

Additional Contacts: Jesse Anderson

## Report produced by

Merit Laboratories, Inc.  
2680 East Lansing Drive  
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Contacts for report questions:  
Kevin George (kgeorge@meritlabs.com)  
Barbara Ball (bball@meritlabs.com)

## Report Summary

Lab Sample ID(s): S60781.01-S60781.15  
Project: Monitoring  
Collected Date: 04/22/2014  
Submitted Date/Time: 04/23/2014 15:00  
Sampled by: Unknown  
P.O. #: PO194737

## Report Notes

Results relate only to items tested as received by the laboratory.  
Methods may be modified for improved performance.  
Results reported on a dry weight basis where applicable.  
'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).  
Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.  
Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc..

## Laboratory Certifications:

Michigan DNRE (#9956), DOD/ISO 17025 (#69699), WBENC (#2005110032), Ohio EPA (#CL0002)  
IN Drinking Water (#C-MI-07), NELAC NY (#11814), NCDENR (#680), NC Drinking Water (#26702)  
Some analytes reported may not be certified. Full certification lists are available upon request.

A handwritten signature in black ink that reads "Violetta F. Murshak".

Violetta F. Murshak  
Laboratory Director



# Analytical Laboratory Report

Sample Summary (15 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S60781.01	SB124 TW T	Groundwater	04/22/2014 14:00
S60781.02	SB125 TW T	Groundwater	04/22/2014 14:30
S60781.03	SB127 TW T	Groundwater	04/22/2014 15:30
S60781.04	SB129 TW T	Groundwater	04/22/2014 16:00
S60781.05	SB130 TW T	Groundwater	04/22/2014 16:30
S60781.06	SB131 TW T	Groundwater	04/22/2014 17:00
S60781.07	Field Blank	Water	04/22/2014 00:01
S60781.08	Trip Blank	Water	04/22/2014 00:01
S60781.09	Duplicate	Groundwater	04/22/2014 00:01
S60781.10	SB124 TW B	Groundwater	04/22/2014 14:00
S60781.11	SB125 TW B	Groundwater	04/22/2014 14:30
S60781.12	SB127 TW B	Groundwater	04/22/2014 15:30
S60781.13	SB129 TW B	Groundwater	04/22/2014 16:00
S60781.14	SB130 TW B	Groundwater	04/22/2014 16:30
S60781.15	SB131 TW B	Groundwater	04/22/2014 17:00



# Analytical Laboratory Report

Lab Sample ID: S60781.01  
Sample Tag: SB124 TW T  
Collected Date/Time: 04/22/2014 14:00  
Matrix: Groundwater  
COC Reference: 73371

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	40ml Glass	HCL	Yes	5.0	IR
1	250ml Plastic	None	Yes	5.0	IR
1	125ml Plastic	HNO3	Yes	5.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3015A	04/30/14 13:00	CCM
pH check for VOCs	<2	STD Units		N/A	04/25/14 10:40	LBL

## Metals

Arsenic, Dissolved	Not detected	mg/L	0.002	E200.8	04/30/14 15:09	CCM	0.00023
Chromium, Dissolved	0.013	mg/L	0.005	E200.8	04/30/14 15:09	CCM	0.00014
Copper, Dissolved	0.021	mg/L	0.004	E200.8	04/30/14 15:09	CCM	0.00019
Lead, Dissolved	0.029	mg/L	0.003	E200.8	04/30/14 15:09	CCM	0.00020
Selenium, Dissolved	0.012	mg/L	0.005	E200.8	04/30/14 15:09	CCM	0.00048
Zinc, Dissolved	0.311	mg/L	0.005	E200.8	04/30/14 15:09	CCM	0.0014

## Organics - Volatiles

### Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260B	04/24/14 14:42	JGH	0.27	
Acetone	5.7	ug/L	50	SW8260B	04/24/14 14:42	JGH	4.0	J
Methyl iodide	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.24	
Carbon disulfide	Not detected	ug/L	5	SW8260B	04/24/14 14:42	JGH	0.13	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260B	04/24/14 14:42	JGH	0.25	
Acrylonitrile	Not detected	ug/L	2	SW8260B	04/24/14 14:42	JGH	0.38	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260B	04/24/14 14:42	JGH	3.3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260B	04/24/14 14:42	JGH	0.57	
Chloromethane	Not detected	ug/L	5	SW8260B	04/24/14 14:42	JGH	0.20	
Vinyl chloride	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.24	
Bromomethane	Not detected	ug/L	5	SW8260B	04/24/14 14:42	JGH	0.18	
Chloroethane	Not detected	ug/L	5	SW8260B	04/24/14 14:42	JGH	0.21	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.28	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.27	
Methylene chloride	Not detected	ug/L	5	SW8260B	04/24/14 14:42	JGH	0.16	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.14	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.15	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.21	
Tetrahydrofuran	Not detected	ug/L	90	SW8260B	04/24/14 14:42	JGH	1.2	
Chloroform	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.15	
Bromochloromethane	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.36	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.27	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260B	04/24/14 14:42	JGH	0.35	
2-Hexanone	Not detected	ug/L	50	SW8260B	04/24/14 14:42	JGH	0.19	
Carbon tetrachloride	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.19	
Benzene	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.11	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.17	

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60781.01 (continued)

Sample Tag: SB124 TW T

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
Trichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.29	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.18	
Bromodichloromethane	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.19	
Dibromomethane	Not detected	ug/L	5	SW8260B	04/24/14 14:42	JGH	0.45	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.17	
Toluene	0.23	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.17	J
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.20	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.34	
Tetrachloroethene	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.13	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.26	
Dibromochloromethane	Not detected	ug/L	5	SW8260B	04/24/14 14:42	JGH	0.20	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.12	
Chlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.16	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.22	
Ethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.10	
p,m-Xylene	Not detected	ug/L	2	SW8260B	04/24/14 14:42	JGH	0.42	
o-Xylene	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.16	
Styrene	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.13	
Isopropylbenzene	Not detected	ug/L	5	SW8260B	04/24/14 14:42	JGH	0.12	
Bromoform	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.35	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.27	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.54	
n-Propylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.12	
Bromobenzene	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.15	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.18	
tert-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.14	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.16	
sec-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.16	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260B	04/24/14 14:42	JGH	0.19	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.20	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.18	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.13	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.14	
n-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 14:42	JGH	0.17	
Hexachloroethane	Not detected	ug/L	5	SW8260B	04/24/14 14:42	JGH	0.35	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260B	04/24/14 14:42	JGH	0.48	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/24/14 14:42	JGH	0.24	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/24/14 14:42	JGH	0.25	
Naphthalene	0.34	ug/L	5	SW8260B	04/24/14 14:42	JGH	0.18	J
2-Methylnaphthalene	0.51	ug/L	5	SW8260B	04/24/14 14:42	JGH	0.21	J

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60781.02

Sample Tag: SB125 TW T

Collected Date/Time: 04/22/2014 14:30

Matrix: Groundwater

COC Reference: 73371

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	250ml Plastic	None	Yes	5.0	IR
1	125ml Plastic	HNO3	Yes	5.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3015A	04/30/14 13:00	CCM		
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## Metals

Arsenic, Dissolved	0.017	mg/L	0.002	E200.8	04/30/14 15:12	CCM	0.00023
Chromium, Dissolved	Not detected	mg/L	0.005	E200.8	04/30/14 15:12	CCM	0.00014
Copper, Dissolved	Not detected	mg/L	0.004	E200.8	04/30/14 15:12	CCM	0.00019
Lead, Dissolved	Not detected	mg/L	0.003	E200.8	04/30/14 15:12	CCM	0.00020
Selenium, Dissolved	Not detected	mg/L	0.005	E200.8	04/30/14 15:12	CCM	0.00048
Zinc, Dissolved	0.167	mg/L	0.005	E200.8	04/30/14 15:12	CCM	0.0014



# Analytical Laboratory Report

Lab Sample ID: S60781.03

Sample Tag: SB127 TW T

Collected Date/Time: 04/22/2014 15:30

Matrix: Groundwater

COC Reference: 73371

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	40ml Glass	HCL	Yes	5.0	IR
1	250ml Plastic	None	Yes	5.0	IR
1	125ml Plastic	HNO3	Yes	5.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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### Extraction / Prep.

Metal Digestion	Completed			SW3015A	04/30/14 13:00	CCM
pH check for VOCs	<2	STD Units		N/A	04/25/14 10:40	LBL

### Metals

Arsenic, Dissolved	0.057	mg/L	0.002	E200.8	04/30/14 15:15	CCM	0.00023
Chromium, Dissolved	Not detected	mg/L	0.005	E200.8	04/30/14 15:15	CCM	0.00014
Copper, Dissolved	0.005	mg/L	0.004	E200.8	04/30/14 15:15	CCM	0.00019
Lead, Dissolved	0.005	mg/L	0.003	E200.8	04/30/14 15:15	CCM	0.00020
Selenium, Dissolved	Not detected	mg/L	0.005	E200.8	04/30/14 15:15	CCM	0.00048
Zinc, Dissolved	0.082	mg/L	0.005	E200.8	04/30/14 15:15	CCM	0.0014

### Organics - Volatiles

#### Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260B	04/24/14 15:03	JGH	0.27	
Acetone	9.1	ug/L	50	SW8260B	04/24/14 15:03	JGH	4.0	J
Methyl iodide	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.24	
Carbon disulfide	Not detected	ug/L	5	SW8260B	04/24/14 15:03	JGH	0.13	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260B	04/24/14 15:03	JGH	0.25	
Acrylonitrile	Not detected	ug/L	2	SW8260B	04/24/14 15:03	JGH	0.38	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260B	04/24/14 15:03	JGH	3.3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260B	04/24/14 15:03	JGH	0.57	
Chloromethane	Not detected	ug/L	5	SW8260B	04/24/14 15:03	JGH	0.20	
Vinyl chloride	5	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.24	
Bromomethane	Not detected	ug/L	5	SW8260B	04/24/14 15:03	JGH	0.18	
Chloroethane	1.07	ug/L	5	SW8260B	04/24/14 15:03	JGH	0.21	J
Trichlorofluoromethane	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.28	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.27	
Methylene chloride	Not detected	ug/L	5	SW8260B	04/24/14 15:03	JGH	0.16	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.14	
1,1-Dichloroethane	1	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.15	
cis-1,2-Dichloroethene	0.42	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.21	J
Tetrahydrofuran	Not detected	ug/L	90	SW8260B	04/24/14 15:03	JGH	1.2	
Chloroform	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.15	
Bromochloromethane	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.36	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.27	
4-Methyl-2-pentanone (MIBK)	0.39	ug/L	50	SW8260B	04/24/14 15:03	JGH	0.35	J
2-Hexanone	0.75	ug/L	50	SW8260B	04/24/14 15:03	JGH	0.19	J
Carbon tetrachloride	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.19	
Benzene	0.43	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.11	J
1,2-Dichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.17	

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60781.03 (continued)

Sample Tag: SB127 TW T

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
Trichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.29	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.18	
Bromodichloromethane	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.19	
Dibromomethane	Not detected	ug/L	5	SW8260B	04/24/14 15:03	JGH	0.45	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.17	
Toluene	0.39	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.17	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.20	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.34	
Tetrachloroethene	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.13	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.26	
Dibromochloromethane	Not detected	ug/L	5	SW8260B	04/24/14 15:03	JGH	0.20	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.12	
Chlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.16	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.22	
Ethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.10	
p,m-Xylene	Not detected	ug/L	2	SW8260B	04/24/14 15:03	JGH	0.42	
o-Xylene	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.16	
Styrene	0.43	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.13	J
Isopropylbenzene	Not detected	ug/L	5	SW8260B	04/24/14 15:03	JGH	0.12	
Bromoform	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.35	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.27	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.54	
n-Propylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.12	
Bromobenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.15	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.18	
tert-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.14	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.16	
sec-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.16	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260B	04/24/14 15:03	JGH	0.19	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.20	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.18	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.13	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.14	
n-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:03	JGH	0.17	
Hexachloroethane	Not detected	ug/L	5	SW8260B	04/24/14 15:03	JGH	0.35	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260B	04/24/14 15:03	JGH	0.48	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/24/14 15:03	JGH	0.24	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/24/14 15:03	JGH	0.25	
Naphthalene	0.31	ug/L	5	SW8260B	04/24/14 15:03	JGH	0.18	
2-Methylnaphthalene	0.40	ug/L	5	SW8260B	04/24/14 15:03	JGH	0.21	J

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60781.04

Sample Tag: SB129 TW T

Collected Date/Time: 04/22/2014 16:00

Matrix: Groundwater

COC Reference: 73371

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	40ml Glass	HCL	Yes	5.0	IR
1	250ml Plastic	None	Yes	5.0	IR
1	125ml Plastic	HNO3	Yes	5.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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### Extraction / Prep.

Metal Digestion	Completed			SW3015A	04/30/14 13:00	CCM
pH check for VOCs	<2	STD Units		N/A	04/25/14 10:40	LBL

### Metals

Arsenic, Dissolved	0.004	mg/L	0.002	E200.8	04/30/14 15:18	CCM	0.00023
Chromium, Dissolved	0.147	mg/L	0.005	E200.8	04/30/14 15:18	CCM	0.00014
Copper, Dissolved	0.022	mg/L	0.004	E200.8	04/30/14 15:18	CCM	0.00019
Lead, Dissolved	0.023	mg/L	0.003	E200.8	04/30/14 15:18	CCM	0.00020
Selenium, Dissolved	Not detected	mg/L	0.005	E200.8	04/30/14 15:18	CCM	0.00048
Zinc, Dissolved	0.323	mg/L	0.005	E200.8	04/30/14 15:18	CCM	0.0014

### Organics - Volatiles

#### Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260B	04/24/14 15:24	JGH	0.27	
Acetone	5.7	ug/L	50	SW8260B	04/24/14 15:24	JGH	4.0	J
Methyl iodide	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.24	
Carbon disulfide	Not detected	ug/L	5	SW8260B	04/24/14 15:24	JGH	0.13	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260B	04/24/14 15:24	JGH	0.25	
Acrylonitrile	Not detected	ug/L	2	SW8260B	04/24/14 15:24	JGH	0.38	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260B	04/24/14 15:24	JGH	3.3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260B	04/24/14 15:24	JGH	0.57	
Chloromethane	Not detected	ug/L	5	SW8260B	04/24/14 15:24	JGH	0.20	
Vinyl chloride	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.24	
Bromomethane	Not detected	ug/L	5	SW8260B	04/24/14 15:24	JGH	0.18	
Chloroethane	Not detected	ug/L	5	SW8260B	04/24/14 15:24	JGH	0.21	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.28	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.27	
Methylene chloride	Not detected	ug/L	5	SW8260B	04/24/14 15:24	JGH	0.16	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.14	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.15	
cis-1,2-Dichloroethene	0.69	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.21	J
Tetrahydrofuran	Not detected	ug/L	90	SW8260B	04/24/14 15:24	JGH	1.2	
Chloroform	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.15	
Bromochloromethane	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.36	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.27	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260B	04/24/14 15:24	JGH	0.35	
2-Hexanone	Not detected	ug/L	50	SW8260B	04/24/14 15:24	JGH	0.19	
Carbon tetrachloride	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.19	
Benzene	0.12	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.11	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.17	

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60781.04 (continued)

Sample Tag: SB129 TW T

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
Trichloroethene	8	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.29	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.18	
Bromodichloromethane	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.19	
Dibromomethane	Not detected	ug/L	5	SW8260B	04/24/14 15:24	JGH	0.45	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.17	
Toluene	0.20	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.17	J
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.20	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.34	
Tetrachloroethene	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.13	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.26	
Dibromochloromethane	Not detected	ug/L	5	SW8260B	04/24/14 15:24	JGH	0.20	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.12	
Chlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.16	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.22	
Ethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.10	
p,m-Xylene	Not detected	ug/L	2	SW8260B	04/24/14 15:24	JGH	0.42	
o-Xylene	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.16	
Styrene	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.13	
Isopropylbenzene	Not detected	ug/L	5	SW8260B	04/24/14 15:24	JGH	0.12	
Bromoform	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.35	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.27	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.54	
n-Propylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.12	
Bromobenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.15	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.18	
tert-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.14	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.16	
sec-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.16	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260B	04/24/14 15:24	JGH	0.19	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.20	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.18	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.13	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.14	
n-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:24	JGH	0.17	
Hexachloroethane	Not detected	ug/L	5	SW8260B	04/24/14 15:24	JGH	0.35	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260B	04/24/14 15:24	JGH	0.48	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/24/14 15:24	JGH	0.24	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/24/14 15:24	JGH	0.25	
Naphthalene	Not detected	ug/L	5	SW8260B	04/24/14 15:24	JGH	0.18	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260B	04/24/14 15:24	JGH	0.21	

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60781.05

Sample Tag: SB130 TW T

Collected Date/Time: 04/22/2014 16:30

Matrix: Groundwater

COC Reference: 73371

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	40ml Glass	HCL	Yes	5.0	IR
1	250ml Plastic	None	Yes	5.0	IR
1	125ml Plastic	HNO3	Yes	5.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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### Extraction / Prep.

Metal Digestion	Completed			SW3015A	04/30/14 13:00	CCM
pH check for VOCs	<2	STD Units		N/A	04/25/14 10:40	LBL

### Metals

Arsenic, Dissolved	0.003	mg/L	0.002	E200.8	04/30/14 15:21	CCM	0.00023	
Chromium, Dissolved	0.064	mg/L	0.005	E200.8	04/30/14 15:21	CCM	0.00014	
Copper, Dissolved	0.140	mg/L	0.004	E200.8	04/30/14 15:21	CCM	0.00019	
Lead, Dissolved	0.208	mg/L	0.003	E200.8	04/30/14 15:21	CCM	0.00020	
Selenium, Dissolved	0.004	mg/L	0.005	E200.8	04/30/14 15:21	CCM	0.00048	b
Zinc, Dissolved	0.326	mg/L	0.005	E200.8	04/30/14 15:21	CCM	0.0014	

### Organics - Volatiles

#### Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260B	04/24/14 15:44	JGH	0.27	
Acetone	Not detected	ug/L	50	SW8260B	04/24/14 15:44	JGH	4.0	
Methyl iodide	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.24	
Carbon disulfide	Not detected	ug/L	5	SW8260B	04/24/14 15:44	JGH	0.13	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260B	04/24/14 15:44	JGH	0.25	
Acrylonitrile	Not detected	ug/L	2	SW8260B	04/24/14 15:44	JGH	0.38	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260B	04/24/14 15:44	JGH	3.3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260B	04/24/14 15:44	JGH	0.57	
Chloromethane	Not detected	ug/L	5	SW8260B	04/24/14 15:44	JGH	0.20	
Vinyl chloride	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.24	
Bromomethane	Not detected	ug/L	5	SW8260B	04/24/14 15:44	JGH	0.18	
Chloroethane	Not detected	ug/L	5	SW8260B	04/24/14 15:44	JGH	0.21	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.28	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.27	
Methylene chloride	Not detected	ug/L	5	SW8260B	04/24/14 15:44	JGH	0.16	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.14	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.15	
cis-1,2-Dichloroethene	2	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.21	
Tetrahydrofuran	Not detected	ug/L	90	SW8260B	04/24/14 15:44	JGH	1.2	
Chloroform	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.15	
Bromochloromethane	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.36	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.27	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260B	04/24/14 15:44	JGH	0.35	
2-Hexanone	Not detected	ug/L	50	SW8260B	04/24/14 15:44	JGH	0.19	
Carbon tetrachloride	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.19	
Benzene	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.11	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.17	

b-Value detected less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60781.05 (continued)

Sample Tag: SB130 TW T

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
Trichloroethene	3	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.29	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.18	
Bromodichloromethane	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.19	
Dibromomethane	Not detected	ug/L	5	SW8260B	04/24/14 15:44	JGH	0.45	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.17	
Toluene	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.17	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.20	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.34	
Tetrachloroethene	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.13	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.26	
Dibromochloromethane	Not detected	ug/L	5	SW8260B	04/24/14 15:44	JGH	0.20	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.12	
Chlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.16	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.22	
Ethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.10	
p,m-Xylene	Not detected	ug/L	2	SW8260B	04/24/14 15:44	JGH	0.42	
o-Xylene	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.16	
Styrene	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.13	
Isopropylbenzene	Not detected	ug/L	5	SW8260B	04/24/14 15:44	JGH	0.12	
Bromoform	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.35	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.27	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.54	
n-Propylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.12	
Bromobenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.15	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.18	
tert-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.14	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.16	
sec-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.16	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260B	04/24/14 15:44	JGH	0.19	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.20	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.18	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.13	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.14	
n-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 15:44	JGH	0.17	
Hexachloroethane	Not detected	ug/L	5	SW8260B	04/24/14 15:44	JGH	0.35	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260B	04/24/14 15:44	JGH	0.48	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/24/14 15:44	JGH	0.24	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/24/14 15:44	JGH	0.25	
Naphthalene	Not detected	ug/L	5	SW8260B	04/24/14 15:44	JGH	0.18	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260B	04/24/14 15:44	JGH	0.21	



# Analytical Laboratory Report

Lab Sample ID: S60781.06

Sample Tag: SB131 TW T

Collected Date/Time: 04/22/2014 17:00

Matrix: Groundwater

COC Reference: 73371

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	40ml Glass	HCL	Yes	5.0	IR
1	250ml Plastic	None	Yes	5.0	IR
1	125ml Plastic	HNO3	Yes	5.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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### Extraction / Prep.

Metal Digestion	Completed			SW3015A	04/30/14 13:00	CCM
pH check for VOCs	<2	STD Units		N/A	04/25/14 10:40	LBL

### Metals

Arsenic, Dissolved	0.002	mg/L	0.002	E200.8	04/30/14 15:25	CCM	0.00023
Chromium, Dissolved	0.025	mg/L	0.005	E200.8	04/30/14 15:25	CCM	0.00014
Copper, Dissolved	0.028	mg/L	0.004	E200.8	04/30/14 15:25	CCM	0.00019
Lead, Dissolved	0.016	mg/L	0.003	E200.8	04/30/14 15:25	CCM	0.00020
Selenium, Dissolved	Not detected	mg/L	0.005	E200.8	04/30/14 15:25	CCM	0.00048
Zinc, Dissolved	0.103	mg/L	0.005	E200.8	04/30/14 15:25	CCM	0.0014

### Organics - Volatiles

#### Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260B	04/24/14 16:05	JGH	0.27	
Acetone	Not detected	ug/L	50	SW8260B	04/24/14 16:05	JGH	4.0	
Methyl iodide	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.24	
Carbon disulfide	Not detected	ug/L	5	SW8260B	04/24/14 16:05	JGH	0.13	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260B	04/24/14 16:05	JGH	0.25	
Acrylonitrile	Not detected	ug/L	2	SW8260B	04/24/14 16:05	JGH	0.38	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260B	04/24/14 16:05	JGH	3.3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260B	04/24/14 16:05	JGH	0.57	
Chloromethane	Not detected	ug/L	5	SW8260B	04/24/14 16:05	JGH	0.20	
Vinyl chloride	2	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.24	
Bromomethane	Not detected	ug/L	5	SW8260B	04/24/14 16:05	JGH	0.18	
Chloroethane	Not detected	ug/L	5	SW8260B	04/24/14 16:05	JGH	0.21	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.28	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.27	
Methylene chloride	Not detected	ug/L	5	SW8260B	04/24/14 16:05	JGH	0.16	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.14	
1,1-Dichloroethane	3	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.15	
cis-1,2-Dichloroethene	21	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.21	
Tetrahydrofuran	Not detected	ug/L	90	SW8260B	04/24/14 16:05	JGH	1.2	
Chloroform	0.42	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.15	J
Bromochloromethane	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.36	
1,1,1-Trichloroethane	0.72	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.27	J
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260B	04/24/14 16:05	JGH	0.35	
2-Hexanone	Not detected	ug/L	50	SW8260B	04/24/14 16:05	JGH	0.19	
Carbon tetrachloride	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.19	
Benzene	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.11	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.17	

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60781.06 (continued)

Sample Tag: SB131 TW T

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
Trichloroethene	81	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.29	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.18	
Bromodichloromethane	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.19	
Dibromomethane	Not detected	ug/L	5	SW8260B	04/24/14 16:05	JGH	0.45	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.17	
Toluene	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.17	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.20	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.34	
Tetrachloroethene	0.18	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.13	J
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.26	
Dibromochloromethane	Not detected	ug/L	5	SW8260B	04/24/14 16:05	JGH	0.20	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.12	
Chlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.16	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.22	
Ethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.10	
p,m-Xylene	Not detected	ug/L	2	SW8260B	04/24/14 16:05	JGH	0.42	
o-Xylene	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.16	
Styrene	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.13	
Isopropylbenzene	Not detected	ug/L	5	SW8260B	04/24/14 16:05	JGH	0.12	
Bromoform	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.35	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.27	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.54	
n-Propylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.12	
Bromobenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.15	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.18	
tert-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.14	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.16	
sec-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.16	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260B	04/24/14 16:05	JGH	0.19	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.20	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.18	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.13	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.14	
n-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:05	JGH	0.17	
Hexachloroethane	Not detected	ug/L	5	SW8260B	04/24/14 16:05	JGH	0.35	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260B	04/24/14 16:05	JGH	0.48	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/24/14 16:05	JGH	0.24	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/24/14 16:05	JGH	0.25	
Naphthalene	Not detected	ug/L	5	SW8260B	04/24/14 16:05	JGH	0.18	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260B	04/24/14 16:05	JGH	0.21	

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60781.07

Sample Tag: Field Blank

Collected Date/Time: 04/22/2014 00:01

Matrix: Water

COC Reference: 73371

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	40ml Glass	HCL	Yes	5.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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### Extraction / Prep.

pH check for VOCs	<2	STD Units	N/A	04/25/14 10:40	LRB
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### Organics - Volatiles

#### Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260B	04/24/14 16:25	JGH	0.27	
Acetone	8.3	ug/L	50	SW8260B	04/24/14 16:25	JGH	4.0	J
Methyl iodide	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.24	
Carbon disulfide	Not detected	ug/L	5	SW8260B	04/24/14 16:25	JGH	0.13	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260B	04/24/14 16:25	JGH	0.25	
Acrylonitrile	Not detected	ug/L	2	SW8260B	04/24/14 16:25	JGH	0.38	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260B	04/24/14 16:25	JGH	3.3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260B	04/24/14 16:25	JGH	0.57	
Chloromethane	Not detected	ug/L	5	SW8260B	04/24/14 16:25	JGH	0.20	
Vinyl chloride	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.24	
Bromomethane	Not detected	ug/L	5	SW8260B	04/24/14 16:25	JGH	0.18	
Chloroethane	Not detected	ug/L	5	SW8260B	04/24/14 16:25	JGH	0.21	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.28	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.27	
Methylene chloride	Not detected	ug/L	5	SW8260B	04/24/14 16:25	JGH	0.16	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.14	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.15	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.21	
Tetrahydrofuran	Not detected	ug/L	90	SW8260B	04/24/14 16:25	JGH	1.2	
Chloroform	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.15	
Bromochloromethane	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.36	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.27	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260B	04/24/14 16:25	JGH	0.35	
2-Hexanone	Not detected	ug/L	50	SW8260B	04/24/14 16:25	JGH	0.19	
Carbon tetrachloride	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.19	
Benzene	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.11	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.17	
Trichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.29	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.18	
Bromodichloromethane	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.19	
Dibromomethane	Not detected	ug/L	5	SW8260B	04/24/14 16:25	JGH	0.45	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.17	
Toluene	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.17	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.20	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.34	
Tetrachloroethene	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.13	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.26	
Dibromochloromethane	Not detected	ug/L	5	SW8260B	04/24/14 16:25	JGH	0.20	

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60781.07 (continued)

Sample Tag: Field Blank

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
1,2-Dibromoethane	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.12	
Chlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.16	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.22	
Ethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.10	
p,m-Xylene	Not detected	ug/L	2	SW8260B	04/24/14 16:25	JGH	0.42	
o-Xylene	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.16	
Styrene	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.13	
Isopropylbenzene	Not detected	ug/L	5	SW8260B	04/24/14 16:25	JGH	0.12	
Bromoform	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.35	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.27	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.54	
n-Propylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.12	
Bromobenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.15	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.18	
tert-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.14	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.16	
sec-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.16	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260B	04/24/14 16:25	JGH	0.19	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.20	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.18	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.13	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.14	
n-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:25	JGH	0.17	
Hexachloroethane	Not detected	ug/L	5	SW8260B	04/24/14 16:25	JGH	0.35	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260B	04/24/14 16:25	JGH	0.48	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/24/14 16:25	JGH	0.24	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/24/14 16:25	JGH	0.25	
Naphthalene	Not detected	ug/L	5	SW8260B	04/24/14 16:25	JGH	0.18	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260B	04/24/14 16:25	JGH	0.21	



# Analytical Laboratory Report

Lab Sample ID: S60781.08

Sample Tag: Trip Blank

Collected Date/Time: 04/22/2014 00:01

Matrix: Water

COC Reference: 73371

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	40ml Glass	HCL	Yes	5.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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### Extraction / Prep.

pH check for VOCs	<2	STD Units	N/A	04/25/14 10:40	LRB
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### Organics - Volatiles

#### Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260B	04/24/14 16:45	JGH	0.27	
Acetone	9.2	ug/L	50	SW8260B	04/24/14 16:45	JGH	4.0	J
Methyl iodide	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.24	
Carbon disulfide	Not detected	ug/L	5	SW8260B	04/24/14 16:45	JGH	0.13	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260B	04/24/14 16:45	JGH	0.25	
Acrylonitrile	Not detected	ug/L	2	SW8260B	04/24/14 16:45	JGH	0.38	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260B	04/24/14 16:45	JGH	3.3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260B	04/24/14 16:45	JGH	0.57	
Chloromethane	Not detected	ug/L	5	SW8260B	04/24/14 16:45	JGH	0.20	
Vinyl chloride	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.24	
Bromomethane	Not detected	ug/L	5	SW8260B	04/24/14 16:45	JGH	0.18	
Chloroethane	Not detected	ug/L	5	SW8260B	04/24/14 16:45	JGH	0.21	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.28	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.27	
Methylene chloride	Not detected	ug/L	5	SW8260B	04/24/14 16:45	JGH	0.16	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.14	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.15	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.21	
Tetrahydrofuran	Not detected	ug/L	90	SW8260B	04/24/14 16:45	JGH	1.2	
Chloroform	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.15	
Bromochloromethane	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.36	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.27	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260B	04/24/14 16:45	JGH	0.35	
2-Hexanone	Not detected	ug/L	50	SW8260B	04/24/14 16:45	JGH	0.19	
Carbon tetrachloride	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.19	
Benzene	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.11	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.17	
Trichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.29	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.18	
Bromodichloromethane	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.19	
Dibromomethane	Not detected	ug/L	5	SW8260B	04/24/14 16:45	JGH	0.45	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.17	
Toluene	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.17	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.20	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.34	
Tetrachloroethene	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.13	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.26	
Dibromochloromethane	Not detected	ug/L	5	SW8260B	04/24/14 16:45	JGH	0.20	

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60781.08 (continued)

Sample Tag: Trip Blank

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
1,2-Dibromoethane	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.12	
Chlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.16	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.22	
Ethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.10	
p,m-Xylene	Not detected	ug/L	2	SW8260B	04/24/14 16:45	JGH	0.42	
o-Xylene	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.16	
Styrene	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.13	
Isopropylbenzene	Not detected	ug/L	5	SW8260B	04/24/14 16:45	JGH	0.12	
Bromoform	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.35	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.27	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.54	
n-Propylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.12	
Bromobenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.15	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.18	
tert-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.14	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.16	
sec-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.16	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260B	04/24/14 16:45	JGH	0.19	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.20	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.18	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.13	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.14	
n-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 16:45	JGH	0.17	
Hexachloroethane	Not detected	ug/L	5	SW8260B	04/24/14 16:45	JGH	0.35	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260B	04/24/14 16:45	JGH	0.48	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/24/14 16:45	JGH	0.24	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/24/14 16:45	JGH	0.25	
Naphthalene	Not detected	ug/L	5	SW8260B	04/24/14 16:45	JGH	0.18	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260B	04/24/14 16:45	JGH	0.21	



# Analytical Laboratory Report

Lab Sample ID: S60781.09

Sample Tag: Duplicate

Collected Date/Time: 04/22/2014 00:01

Matrix: Groundwater

COC Reference: 73371

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	HCL	Yes	5.0	IR
1	125ml Plastic	HNO3	Yes	5.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

pH check for VOCs	<2	STD Units	N/A	04/25/14 10:40	LRB
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## Organics - Volatiles

### Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260B	04/24/14 17:06	JGH	0.27	
Acetone	21.2	ug/L	50	SW8260B	04/24/14 17:06	JGH	4.0	J
Methyl iodide	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.24	
Carbon disulfide	Not detected	ug/L	5	SW8260B	04/24/14 17:06	JGH	0.13	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260B	04/24/14 17:06	JGH	0.25	
Acrylonitrile	Not detected	ug/L	2	SW8260B	04/24/14 17:06	JGH	0.38	
2-Butanone (MEK)	6.5	ug/L	25	SW8260B	04/24/14 17:06	JGH	3.3	J
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260B	04/24/14 17:06	JGH	0.57	
Chloromethane	Not detected	ug/L	5	SW8260B	04/24/14 17:06	JGH	0.20	
Vinyl chloride	3	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.24	
Bromomethane	Not detected	ug/L	5	SW8260B	04/24/14 17:06	JGH	0.18	
Chloroethane	0.25	ug/L	5	SW8260B	04/24/14 17:06	JGH	0.21	J
Trichlorofluoromethane	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.28	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.27	
Methylene chloride	Not detected	ug/L	5	SW8260B	04/24/14 17:06	JGH	0.16	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.14	
1,1-Dichloroethane	0.94	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.15	J
cis-1,2-Dichloroethene	0.36	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.21	J
Tetrahydrofuran	Not detected	ug/L	90	SW8260B	04/24/14 17:06	JGH	1.2	
Chloroform	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.15	
Bromochloromethane	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.36	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.27	
4-Methyl-2-pentanone (MIBK)	1.35	ug/L	50	SW8260B	04/24/14 17:06	JGH	0.35	J
2-Hexanone	1.99	ug/L	50	SW8260B	04/24/14 17:06	JGH	0.19	J
Carbon tetrachloride	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.19	
Benzene	0.47	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.11	J
1,2-Dichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.17	
Trichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.29	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.18	
Bromodichloromethane	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.19	
Dibromomethane	Not detected	ug/L	5	SW8260B	04/24/14 17:06	JGH	0.45	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.17	
Toluene	0.39	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.17	J
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.20	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.34	
Tetrachloroethene	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.13	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.26	

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60781.09 (continued)

Sample Tag: Duplicate

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
Dibromochloromethane	Not detected	ug/L	5	SW8260B	04/24/14 17:06	JGH	0.20	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.12	
Chlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.16	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.22	
Ethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.10	
p,m-Xylene	Not detected	ug/L	2	SW8260B	04/24/14 17:06	JGH	0.42	
o-Xylene	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.16	
Styrene	0.21	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.13	J
Isopropylbenzene	Not detected	ug/L	5	SW8260B	04/24/14 17:06	JGH	0.12	
Bromoform	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.35	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.27	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.54	
n-Propylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.12	
Bromobenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.15	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.18	
tert-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.14	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.16	
sec-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.16	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260B	04/24/14 17:06	JGH	0.19	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.20	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.18	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.13	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.14	
n-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:06	JGH	0.17	
Hexachloroethane	Not detected	ug/L	5	SW8260B	04/24/14 17:06	JGH	0.35	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260B	04/24/14 17:06	JGH	0.48	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/24/14 17:06	JGH	0.24	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/24/14 17:06	JGH	0.25	
Naphthalene	0.21	ug/L	5	SW8260B	04/24/14 17:06	JGH	0.18	J
2-Methylnaphthalene	Not detected	ug/L	5	SW8260B	04/24/14 17:06	JGH	0.21	

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60781.10  
Sample Tag: SB124 TW B  
Collected Date/Time: 04/22/2014 14:00  
Matrix: Groundwater  
COC Reference: 73370

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	40ml Glass	HCL	Yes	5.0	IR
1	250ml Plastic	None	Yes	5.0	IR
1	125ml Plastic	HNO3	Yes	5.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Extraction / Prep.</b>								
Metal Digestion	Completed			SW3015A	04/30/14 13:00		CCM	
pH check for VOCs	<2	STD Units		N/A	04/25/14 10:40		LCR	
<b>Metals</b>								
Arsenic, Dissolved	0.003	mg/L	0.002	E200.8	04/30/14 15:28	CCM	0.00023	
Chromium, Dissolved	0.016	mg/L	0.005	E200.8	04/30/14 15:28	CCM	0.00014	
Copper, Dissolved	0.042	mg/L	0.004	E200.8	04/30/14 15:28	CCM	0.00019	
Lead, Dissolved	0.047	mg/L	0.003	E200.8	04/30/14 15:28	CCM	0.00020	
Selenium, Dissolved	0.012	mg/L	0.005	E200.8	04/30/14 15:28	CCM	0.00048	
Zinc, Dissolved	0.241	mg/L	0.005	E200.8	04/30/14 15:28	CCM	0.0014	
<b>Organics - Volatiles</b>								
<b>Volatile Organics - DEQ List</b>								
Diethyl ether	Not detected	ug/L	10	SW8260B	04/24/14 17:26	JGH	0.27	
Acetone	10.3	ug/L	50	SW8260B	04/24/14 17:26	JGH	4.0	J
Methyl iodide	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.24	
Carbon disulfide	Not detected	ug/L	5	SW8260B	04/24/14 17:26	JGH	0.13	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260B	04/24/14 17:26	JGH	0.25	
Acrylonitrile	Not detected	ug/L	2	SW8260B	04/24/14 17:26	JGH	0.38	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260B	04/24/14 17:26	JGH	3.3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260B	04/24/14 17:26	JGH	0.57	
Chloromethane	0.33	ug/L	5	SW8260B	04/24/14 17:26	JGH	0.20	J
Vinyl chloride	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.24	
Bromomethane	Not detected	ug/L	5	SW8260B	04/24/14 17:26	JGH	0.18	
Chloroethane	Not detected	ug/L	5	SW8260B	04/24/14 17:26	JGH	0.21	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.28	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.27	
Methylene chloride	Not detected	ug/L	5	SW8260B	04/24/14 17:26	JGH	0.16	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.14	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.15	
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.21	
Tetrahydrofuran	Not detected	ug/L	90	SW8260B	04/24/14 17:26	JGH	1.2	
Chloroform	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.15	
Bromochloromethane	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.36	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.27	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260B	04/24/14 17:26	JGH	0.35	
2-Hexanone	0.21	ug/L	50	SW8260B	04/24/14 17:26	JGH	0.19	J
Carbon tetrachloride	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.19	
Benzene	0.17	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.11	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.17	

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60781.10 (continued)

Sample Tag: SB124 TW B

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
Trichloroethene	0.55	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.29	J
1,2-Dichloropropane	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.18	
Bromodichloromethane	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.19	
Dibromomethane	Not detected	ug/L	5	SW8260B	04/24/14 17:26	JGH	0.45	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.17	
Toluene	0.38	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.17	J
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.20	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.34	
Tetrachloroethene	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.13	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.26	
Dibromochloromethane	Not detected	ug/L	5	SW8260B	04/24/14 17:26	JGH	0.20	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.12	
Chlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.16	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.22	
Ethylbenzene	0.12	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.10	J
p,m-Xylene	Not detected	ug/L	2	SW8260B	04/24/14 17:26	JGH	0.42	
o-Xylene	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.16	
Styrene	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.13	
Isopropylbenzene	Not detected	ug/L	5	SW8260B	04/24/14 17:26	JGH	0.12	
Bromoform	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.35	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.27	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.54	
n-Propylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.12	
Bromobenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.15	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.18	
tert-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.14	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.16	
sec-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.16	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260B	04/24/14 17:26	JGH	0.19	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.20	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.18	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.13	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.14	
n-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:26	JGH	0.17	
Hexachloroethane	Not detected	ug/L	5	SW8260B	04/24/14 17:26	JGH	0.35	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260B	04/24/14 17:26	JGH	0.48	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/24/14 17:26	JGH	0.24	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/24/14 17:26	JGH	0.25	
Naphthalene	0.75	ug/L	5	SW8260B	04/24/14 17:26	JGH	0.18	J
2-Methylnaphthalene	0.47	ug/L	5	SW8260B	04/24/14 17:26	JGH	0.21	J

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60781.11  
Sample Tag: SB125 TW B  
Collected Date/Time: 04/22/2014 14:30  
Matrix: Groundwater  
COC Reference: 73370

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	40ml Glass	HCL	Yes	5.0	IR
1	250ml Plastic	None	Yes	5.0	IR
1	125ml Plastic	HNO3	Yes	5.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3015A	04/30/14 13:00	CCM
pH check for VOCs	>2	STD Units		N/A	04/25/14 10:40	LBL

## Metals

Arsenic, Dissolved	0.030	mg/L	0.002	E200.8	04/30/14 15:31	CCM	0.00023
Chromium, Dissolved	Not detected	mg/L	0.005	E200.8	04/30/14 15:31	CCM	0.00014
Copper, Dissolved	Not detected	mg/L	0.004	E200.8	04/30/14 15:31	CCM	0.00019
Lead, Dissolved	0.001	mg/L	0.003	E200.8	04/30/14 15:31	CCM	0.00020
Selenium, Dissolved	Not detected	mg/L	0.005	E200.8	04/30/14 15:31	CCM	0.00048
Zinc, Dissolved	0.400	mg/L	0.005	E200.8	04/30/14 15:31	CCM	0.0014

## Organics - Volatiles

### Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260B	04/28/14 15:01	WAT	0.27
Acetone	66	ug/L	50	SW8260B	04/28/14 15:01	WAT	4.0
Methyl iodide	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.24
Carbon disulfide	0.86	ug/L	5	SW8260B	04/28/14 15:01	WAT	0.13
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260B	04/28/14 15:01	WAT	0.25
Acrylonitrile	Not detected	ug/L	2	SW8260B	04/28/14 15:01	WAT	0.38
2-Butanone (MEK)	11.6	ug/L	25	SW8260B	04/28/14 15:01	WAT	3.3
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260B	04/28/14 15:01	WAT	0.57
Chloromethane	Not detected	ug/L	5	SW8260B	04/28/14 15:01	WAT	0.20
Vinyl chloride	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.24
Bromomethane	Not detected	ug/L	5	SW8260B	04/28/14 15:01	WAT	0.18
Chloroethane	Not detected	ug/L	5	SW8260B	04/28/14 15:01	WAT	0.21
Trichlorofluoromethane	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.28
1,1-Dichloroethene	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.27
Methylene chloride	Not detected	ug/L	5	SW8260B	04/28/14 15:01	WAT	0.16
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.14
1,1-Dichloroethane	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.15
cis-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.21
Tetrahydrofuran	Not detected	ug/L	90	SW8260B	04/28/14 15:01	WAT	1.2
Chloroform	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.15
Bromochloromethane	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.36
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.27
4-Methyl-2-pentanone (MIBK)	0.59	ug/L	50	SW8260B	04/28/14 15:01	WAT	0.35
2-Hexanone	2.17	ug/L	50	SW8260B	04/28/14 15:01	WAT	0.19
Carbon tetrachloride	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.19
Benzene	0.21	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.11

b-Value detected less than reporting limit, but greater than MDL

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60781.11 (continued)

Sample Tag: SB125 TW B

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
1,2-Dichloroethane	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.17	
Trichloroethene	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.29	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.18	
Bromodichloromethane	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.19	
Dibromomethane	Not detected	ug/L	5	SW8260B	04/28/14 15:01	WAT	0.45	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.17	
Toluene	0.30	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.17	J
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.20	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.34	
Tetrachloroethene	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.13	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.26	
Dibromochloromethane	Not detected	ug/L	5	SW8260B	04/28/14 15:01	WAT	0.20	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.12	
Chlorobenzene	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.16	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.22	
Ethylbenzene	0.11	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.10	J
p,m-Xylene	Not detected	ug/L	2	SW8260B	04/28/14 15:01	WAT	0.42	
o-Xylene	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.16	
Styrene	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.13	
Isopropylbenzene	Not detected	ug/L	5	SW8260B	04/28/14 15:01	WAT	0.12	
Bromoform	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.35	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.27	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.54	
n-Propylbenzene	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.12	
Bromobenzene	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.15	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.18	
tert-Butylbenzene	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.14	
1,2,4-Trimethylbenzene	0.22	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.16	J
sec-Butylbenzene	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.16	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260B	04/28/14 15:01	WAT	0.19	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.20	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.18	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.13	
1,2,3-Trimethylbenzene	0.20	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.14	J
n-Butylbenzene	Not detected	ug/L	1	SW8260B	04/28/14 15:01	WAT	0.17	
Hexachloroethane	Not detected	ug/L	5	SW8260B	04/28/14 15:01	WAT	0.35	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260B	04/28/14 15:01	WAT	0.48	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/28/14 15:01	WAT	0.24	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/28/14 15:01	WAT	0.25	
Naphthalene	1.68	ug/L	5	SW8260B	04/28/14 15:01	WAT	0.18	J
2-Methylnaphthalene	0.88	ug/L	5	SW8260B	04/28/14 15:01	WAT	0.21	J

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60781.12  
Sample Tag: SB127 TW B  
Collected Date/Time: 04/22/2014 15:30  
Matrix: Groundwater  
COC Reference: 73370

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	40ml Glass	HCL	Yes	5.0	IR
1	250ml Plastic	None	Yes	5.0	IR
1	125ml Plastic	HNO3	Yes	5.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3015A	04/30/14 13:00	CCM
pH check for VOCs	<2	STD Units		N/A	04/25/14 10:40	LBL

## Metals

Arsenic, Dissolved	0.038	mg/L	0.002	E200.8	04/30/14 15:34	CCM	0.00023
Chromium, Dissolved	0.017	mg/L	0.005	E200.8	04/30/14 15:34	CCM	0.00014
Copper, Dissolved	0.012	mg/L	0.004	E200.8	04/30/14 15:34	CCM	0.00019
Lead, Dissolved	0.019	mg/L	0.003	E200.8	04/30/14 15:34	CCM	0.00020
Selenium, Dissolved	Not detected	mg/L	0.005	E200.8	04/30/14 15:34	CCM	0.00048
Zinc, Dissolved	0.166	mg/L	0.005	E200.8	04/30/14 15:34	CCM	0.0014

## Organics - Volatiles

### Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260B	04/24/14 17:50	JGH	0.27	
Acetone	25.8	ug/L	50	SW8260B	04/24/14 17:50	JGH	4.0	J
Methyl iodide	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.24	
Carbon disulfide	0.40	ug/L	5	SW8260B	04/24/14 17:50	JGH	0.13	J
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260B	04/24/14 17:50	JGH	0.25	
Acrylonitrile	Not detected	ug/L	2	SW8260B	04/24/14 17:50	JGH	0.38	
2-Butanone (MEK)	8.6	ug/L	25	SW8260B	04/24/14 17:50	JGH	3.3	J
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260B	04/24/14 17:50	JGH	0.57	
Chloromethane	0.61	ug/L	5	SW8260B	04/24/14 17:50	JGH	0.20	J
Vinyl chloride	2	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.24	
Bromomethane	Not detected	ug/L	5	SW8260B	04/24/14 17:50	JGH	0.18	
Chloroethane	0.77	ug/L	5	SW8260B	04/24/14 17:50	JGH	0.21	J
Trichlorofluoromethane	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.28	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.27	
Methylene chloride	Not detected	ug/L	5	SW8260B	04/24/14 17:50	JGH	0.16	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.14	
1,1-Dichloroethane	0.81	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.15	J
cis-1,2-Dichloroethene	0.36	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.21	J
Tetrahydrofuran	Not detected	ug/L	90	SW8260B	04/24/14 17:50	JGH	1.2	
Chloroform	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.15	
Bromochloromethane	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.36	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.27	
4-Methyl-2-pentanone (MIBK)	2.19	ug/L	50	SW8260B	04/24/14 17:50	JGH	0.35	J
2-Hexanone	4.57	ug/L	50	SW8260B	04/24/14 17:50	JGH	0.19	J
Carbon tetrachloride	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.19	
Benzene	0.81	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.11	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.17	

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60781.12 (continued)

Sample Tag: SB127 TW B

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
Trichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.29	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.18	
Bromodichloromethane	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.19	
Dibromomethane	Not detected	ug/L	5	SW8260B	04/24/14 17:50	JGH	0.45	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.17	
Toluene	1	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.17	
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.20	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.34	
Tetrachloroethene	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.13	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.26	
Dibromochloromethane	Not detected	ug/L	5	SW8260B	04/24/14 17:50	JGH	0.20	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.12	
Chlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.16	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.22	
Ethylbenzene	0.31	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.10	J
p,m-Xylene	0.52	ug/L	2	SW8260B	04/24/14 17:50	JGH	0.42	J
o-Xylene	0.27	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.16	J
Styrene	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.13	
Isopropylbenzene	Not detected	ug/L	5	SW8260B	04/24/14 17:50	JGH	0.12	
Bromoform	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.35	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.27	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.54	
n-Propylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.12	
Bromobenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.15	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.18	
tert-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.14	
1,2,4-Trimethylbenzene	0.31	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.16	J
sec-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.16	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260B	04/24/14 17:50	JGH	0.19	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.20	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.18	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.13	
1,2,3-Trimethylbenzene	0.18	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.14	J
n-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 17:50	JGH	0.17	
Hexachloroethane	Not detected	ug/L	5	SW8260B	04/24/14 17:50	JGH	0.35	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260B	04/24/14 17:50	JGH	0.48	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/24/14 17:50	JGH	0.24	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/24/14 17:50	JGH	0.25	
Naphthalene	0.55	ug/L	5	SW8260B	04/24/14 17:50	JGH	0.18	J
2-Methylnaphthalene	0.47	ug/L	5	SW8260B	04/24/14 17:50	JGH	0.21	J

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60781.13  
Sample Tag: SB129 TW B  
Collected Date/Time: 04/22/2014 16:00  
Matrix: Groundwater  
COC Reference: 73370

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	40ml Glass	HCL	Yes	5.0	IR
1	250ml Plastic	None	Yes	5.0	IR
1	125ml Plastic	HNO3	Yes	5.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Extraction / Prep.</b>								
Metal Digestion	Completed			SW3015A	04/30/14 13:00		CCM	
pH check for VOCs	<2	STD Units		N/A	04/25/14 10:40		LBR	
<b>Metals</b>								
Arsenic, Dissolved	Not detected	mg/L	0.002	E200.8	04/30/14 15:37	CCM	0.00023	
Chromium, Dissolved	0.089	mg/L	0.005	E200.8	04/30/14 15:37	CCM	0.00014	
Copper, Dissolved	0.024	mg/L	0.004	E200.8	04/30/14 15:37	CCM	0.00019	
Lead, Dissolved	0.011	mg/L	0.003	E200.8	04/30/14 15:37	CCM	0.00020	
Selenium, Dissolved	Not detected	mg/L	0.005	E200.8	04/30/14 15:37	CCM	0.00048	
Zinc, Dissolved	0.068	mg/L	0.005	E200.8	04/30/14 15:37	CCM	0.0014	
<b>Organics - Volatiles</b>								
<b>Volatile Organics - DEQ List</b>								
Diethyl ether	Not detected	ug/L	10	SW8260B	04/25/14 19:41	WAT	0.27	
Acetone	5.9	ug/L	50	SW8260B	04/25/14 19:41	WAT	4.0	J
Methyl iodide	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.24	
Carbon disulfide	Not detected	ug/L	5	SW8260B	04/25/14 19:41	WAT	0.13	
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260B	04/25/14 19:41	WAT	0.25	
Acrylonitrile	Not detected	ug/L	2	SW8260B	04/25/14 19:41	WAT	0.38	
2-Butanone (MEK)	Not detected	ug/L	25	SW8260B	04/25/14 19:41	WAT	3.3	
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260B	04/25/14 19:41	WAT	0.57	
Chloromethane	Not detected	ug/L	5	SW8260B	04/25/14 19:41	WAT	0.20	
Vinyl chloride	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.24	
Bromomethane	Not detected	ug/L	5	SW8260B	04/25/14 19:41	WAT	0.18	
Chloroethane	Not detected	ug/L	5	SW8260B	04/25/14 19:41	WAT	0.21	
Trichlorofluoromethane	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.28	
1,1-Dichloroethene	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.27	
Methylene chloride	Not detected	ug/L	5	SW8260B	04/25/14 19:41	WAT	0.16	
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.14	
1,1-Dichloroethane	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.15	
cis-1,2-Dichloroethene	0.93	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.21	J
Tetrahydrofuran	Not detected	ug/L	90	SW8260B	04/25/14 19:41	WAT	1.2	
Chloroform	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.15	
Bromochloromethane	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.36	
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.27	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260B	04/25/14 19:41	WAT	0.35	
2-Hexanone	Not detected	ug/L	50	SW8260B	04/25/14 19:41	WAT	0.19	
Carbon tetrachloride	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.19	
Benzene	0.21	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.11	
1,2-Dichloroethane	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.17	

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60781.13 (continued)

Sample Tag: SB129 TW B

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
Trichloroethene	9	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.29	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.18	
Bromodichloromethane	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.19	
Dibromomethane	Not detected	ug/L	5	SW8260B	04/25/14 19:41	WAT	0.45	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.17	
Toluene	0.35	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.17	J
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.20	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.34	
Tetrachloroethene	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.13	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.26	
Dibromochloromethane	Not detected	ug/L	5	SW8260B	04/25/14 19:41	WAT	0.20	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.12	
Chlorobenzene	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.16	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.22	
Ethylbenzene	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.10	
p,m-Xylene	Not detected	ug/L	2	SW8260B	04/25/14 19:41	WAT	0.42	
o-Xylene	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.16	
Styrene	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.13	
Isopropylbenzene	Not detected	ug/L	5	SW8260B	04/25/14 19:41	WAT	0.12	
Bromoform	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.35	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.27	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.54	
n-Propylbenzene	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.12	
Bromobenzene	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.15	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.18	
tert-Butylbenzene	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.14	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.16	
sec-Butylbenzene	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.16	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260B	04/25/14 19:41	WAT	0.19	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.20	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.18	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.13	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.14	
n-Butylbenzene	Not detected	ug/L	1	SW8260B	04/25/14 19:41	WAT	0.17	
Hexachloroethane	Not detected	ug/L	5	SW8260B	04/25/14 19:41	WAT	0.35	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260B	04/25/14 19:41	WAT	0.48	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/25/14 19:41	WAT	0.24	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/25/14 19:41	WAT	0.25	
Naphthalene	Not detected	ug/L	5	SW8260B	04/25/14 19:41	WAT	0.18	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260B	04/25/14 19:41	WAT	0.21	

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60781.14  
 Sample Tag: SB130 TW B  
 Collected Date/Time: 04/22/2014 16:30  
 Matrix: Groundwater  
 COC Reference: 73370

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	40ml Glass	HCL	Yes	5.0	IR
1	250ml Plastic	None	Yes	5.0	IR
1	125ml Plastic	HNO3	Yes	5.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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### Extraction / Prep.

Metal Digestion	Completed		SW3015A	04/30/14 13:00	CCM
pH check for VOCs	<2	STD Units	N/A	04/25/14 10:40	LBL

### Metals

Arsenic, Dissolved	Not detected	mg/L	0.002	E200.8	04/30/14 15:56	CCM	0.00023
Chromium, Dissolved	0.019	mg/L	0.005	E200.8	04/30/14 15:56	CCM	0.00014
Copper, Dissolved	0.094	mg/L	0.004	E200.8	04/30/14 15:56	CCM	0.00019
Lead, Dissolved	0.031	mg/L	0.003	E200.8	04/30/14 15:56	CCM	0.00020
Selenium, Dissolved	0.005	mg/L	0.005	E200.8	04/30/14 15:56	CCM	0.00048
Zinc, Dissolved	0.241	mg/L	0.005	E200.8	04/30/14 15:56	CCM	0.0014

### Organics - Volatiles

#### Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260B	04/24/14 18:26	JGH	0.27
Acetone	Not detected	ug/L	50	SW8260B	04/24/14 18:26	JGH	4.0
Methyl iodide	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.24
Carbon disulfide	Not detected	ug/L	5	SW8260B	04/24/14 18:26	JGH	0.13
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260B	04/24/14 18:26	JGH	0.25
Acrylonitrile	Not detected	ug/L	2	SW8260B	04/24/14 18:26	JGH	0.38
2-Butanone (MEK)	Not detected	ug/L	25	SW8260B	04/24/14 18:26	JGH	3.3
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260B	04/24/14 18:26	JGH	0.57
Chloromethane	Not detected	ug/L	5	SW8260B	04/24/14 18:26	JGH	0.20
Vinyl chloride	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.24
Bromomethane	Not detected	ug/L	5	SW8260B	04/24/14 18:26	JGH	0.18
Chloroethane	Not detected	ug/L	5	SW8260B	04/24/14 18:26	JGH	0.21
Trichlorofluoromethane	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.28
1,1-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.27
Methylene chloride	Not detected	ug/L	5	SW8260B	04/24/14 18:26	JGH	0.16
trans-1,2-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.14
1,1-Dichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.15
cis-1,2-Dichloroethene	3	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.21
Tetrahydrofuran	Not detected	ug/L	90	SW8260B	04/24/14 18:26	JGH	1.2
Chloroform	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.15
Bromochloromethane	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.36
1,1,1-Trichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.27
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260B	04/24/14 18:26	JGH	0.35
2-Hexanone	Not detected	ug/L	50	SW8260B	04/24/14 18:26	JGH	0.19
Carbon tetrachloride	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.19
Benzene	0.16	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.11
1,2-Dichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.17

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60781.14 (continued)

Sample Tag: SB130 TW B

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
Trichloroethene	5	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.29	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.18	
Bromodichloromethane	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.19	
Dibromomethane	Not detected	ug/L	5	SW8260B	04/24/14 18:26	JGH	0.45	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.17	
Toluene	0.24	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.17	J
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.20	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.34	
Tetrachloroethene	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.13	
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.26	
Dibromochloromethane	Not detected	ug/L	5	SW8260B	04/24/14 18:26	JGH	0.20	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.12	
Chlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.16	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.22	
Ethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.10	
p,m-Xylene	Not detected	ug/L	2	SW8260B	04/24/14 18:26	JGH	0.42	
o-Xylene	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.16	
Styrene	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.13	
Isopropylbenzene	Not detected	ug/L	5	SW8260B	04/24/14 18:26	JGH	0.12	
Bromoform	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.35	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.27	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.54	
n-Propylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.12	
Bromobenzene	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.15	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.18	
tert-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.14	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.16	
sec-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.16	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260B	04/24/14 18:26	JGH	0.19	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.20	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.18	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.13	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.14	
n-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 18:26	JGH	0.17	
Hexachloroethane	Not detected	ug/L	5	SW8260B	04/24/14 18:26	JGH	0.35	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260B	04/24/14 18:26	JGH	0.48	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/24/14 18:26	JGH	0.24	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/24/14 18:26	JGH	0.25	
Naphthalene	Not detected	ug/L	5	SW8260B	04/24/14 18:26	JGH	0.18	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260B	04/24/14 18:26	JGH	0.21	

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60781.15  
Sample Tag: SB131 TW B  
Collected Date/Time: 04/22/2014 17:00  
Matrix: Groundwater  
COC Reference: 73370

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	40ml Glass	HCL	Yes	5.0	IR
1	250ml Plastic	None	Yes	5.0	IR
1	125ml Plastic	HNO3	Yes	5.0	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3015A	04/30/14 13:00	CCM
pH check for VOCs	<2	STD Units		N/A	04/25/14 10:40	LCR

## Metals

Arsenic, Dissolved	Not detected	mg/L	0.002	E200.8	04/30/14 15:59	CCM	0.00023
Chromium, Dissolved	0.033	mg/L	0.005	E200.8	04/30/14 15:59	CCM	0.00014
Copper, Dissolved	0.144	mg/L	0.004	E200.8	04/30/14 15:59	CCM	0.00019
Lead, Dissolved	0.014	mg/L	0.003	E200.8	04/30/14 15:59	CCM	0.00020
Selenium, Dissolved	0.003	mg/L	0.005	E200.8	04/30/14 15:59	CCM	0.00048
Zinc, Dissolved	0.191	mg/L	0.005	E200.8	04/30/14 15:59	CCM	0.0014

## Organics - Volatiles

### Volatile Organics - DEQ List

Diethyl ether	Not detected	ug/L	10	SW8260B	04/24/14 18:46	JGH	0.27
Acetone	5.8	ug/L	50	SW8260B	04/24/14 18:46	JGH	4.0
Methyl iodide	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.24
Carbon disulfide	Not detected	ug/L	5	SW8260B	04/24/14 18:46	JGH	0.13
tert-Methyl butyl ether (MTBE)	Not detected	ug/L	5	SW8260B	04/24/14 18:46	JGH	0.25
Acrylonitrile	Not detected	ug/L	2	SW8260B	04/24/14 18:46	JGH	0.38
2-Butanone (MEK)	Not detected	ug/L	25	SW8260B	04/24/14 18:46	JGH	3.3
Dichlorodifluoromethane	Not detected	ug/L	5	SW8260B	04/24/14 18:46	JGH	0.57
Chloromethane	Not detected	ug/L	5	SW8260B	04/24/14 18:46	JGH	0.20
Vinyl chloride	2	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.24
Bromomethane	Not detected	ug/L	5	SW8260B	04/24/14 18:46	JGH	0.18
Chloroethane	Not detected	ug/L	5	SW8260B	04/24/14 18:46	JGH	0.21
Trichlorofluoromethane	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.28
1,1-Dichloroethene	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.27
Methylene chloride	Not detected	ug/L	5	SW8260B	04/24/14 18:46	JGH	0.16
trans-1,2-Dichloroethene	0.28	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.14
1,1-Dichloroethane	2	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.15
cis-1,2-Dichloroethene	21	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.21
Tetrahydrofuran	Not detected	ug/L	90	SW8260B	04/24/14 18:46	JGH	1.2
Chloroform	0.41	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.15
Bromochloromethane	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.36
1,1,1-Trichloroethane	0.71	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.27
4-Methyl-2-pentanone (MIBK)	Not detected	ug/L	50	SW8260B	04/24/14 18:46	JGH	0.35
2-Hexanone	Not detected	ug/L	50	SW8260B	04/24/14 18:46	JGH	0.19
Carbon tetrachloride	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.19
Benzene	0.23	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.11

b-Value detected less than reporting limit, but greater than MDL

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60781.15 (continued)

Sample Tag: SB131 TW B

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics - DEQ List (continued)</b>								
1,2-Dichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.17	
Trichloroethene	78	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.29	
1,2-Dichloropropane	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.18	
Bromodichloromethane	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.19	
Dibromomethane	Not detected	ug/L	5	SW8260B	04/24/14 18:46	JGH	0.45	
cis-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.17	
Toluene	0.44	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.17	J
trans-1,3-Dichloropropene	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.20	
1,1,2-Trichloroethane	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.34	
Tetrachloroethene	0.17	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.13	J
trans-1,4-Dichloro-2-butene	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.26	
Dibromochloromethane	Not detected	ug/L	5	SW8260B	04/24/14 18:46	JGH	0.20	
1,2-Dibromoethane	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.12	
Chlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.16	
1,1,1,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.22	
Ethylbenzene	0.11	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.10	J
p,m-Xylene	Not detected	ug/L	2	SW8260B	04/24/14 18:46	JGH	0.42	
o-Xylene	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.16	
Styrene	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.13	
Isopropylbenzene	Not detected	ug/L	5	SW8260B	04/24/14 18:46	JGH	0.12	
Bromoform	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.35	
1,1,2,2-Tetrachloroethane	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.27	
1,2,3-Trichloropropane	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.54	
n-Propylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.12	
Bromobenzene	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.15	
1,3,5-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.18	
tert-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.14	
1,2,4-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.16	
sec-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.16	
p-Isopropyltoluene	Not detected	ug/L	5	SW8260B	04/24/14 18:46	JGH	0.19	
1,3-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.20	
1,4-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.18	
1,2-Dichlorobenzene	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.13	
1,2,3-Trimethylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.14	
n-Butylbenzene	Not detected	ug/L	1	SW8260B	04/24/14 18:46	JGH	0.17	
Hexachloroethane	Not detected	ug/L	5	SW8260B	04/24/14 18:46	JGH	0.35	
1,2-Dibromo-3-chloropropane	Not detected	ug/L	5	SW8260B	04/24/14 18:46	JGH	0.48	
1,2,4-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/24/14 18:46	JGH	0.24	
1,2,3-Trichlorobenzene	Not detected	ug/L	5	SW8260B	04/24/14 18:46	JGH	0.25	
Naphthalene	Not detected	ug/L	5	SW8260B	04/24/14 18:46	JGH	0.18	
2-Methylnaphthalene	Not detected	ug/L	5	SW8260B	04/24/14 18:46	JGH	0.21	

J-Estimated value less than reporting limit, but greater than MDL



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**REPORT TO**

**CHAIN OF CUSTODY RECORD**

**INVOICE TO**

CONTACT NAME			
COMPANY			
ADDRESS			
CITY		STATE	ZIP CODE
PHONE NO.	FAX NO.	P.O. NO.	
E-MAIL ADDRESS		QUOTE NO.	

CONTACT NAME	<u>Mike Smith</u>		<input type="checkbox"/> SAME
COMPANY	<u>APPLIED GEOSYSTEMS INC</u>		
ADDRESS			
CITY	<u>BURTON</u>		STATE <u>MI</u> ZIP CODE <u>48329</u>
PHONE NO.	<u>510 715 2525</u>		E-MAIL ADDRESS <u>AE-mos @ Yahoocom</u>

**ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)**

PROJECT NO./NAME		SAMPLER(S) - PLEASE PRINT/SIGN NAME						Certifications																	
TURNAROUND TIME REQUIRED <input type="checkbox"/> 1 DAY <input type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS <input type="checkbox"/> STANDARD <input type="checkbox"/> OTHER																									
DELIVERABLES REQUIRED <input type="checkbox"/> STD <input type="checkbox"/> LEVEL II <input type="checkbox"/> LEVEL III <input type="checkbox"/> LEVEL IV <input type="checkbox"/> EDD <input type="checkbox"/> OTHER																									
MATRIX GW=GROUNDWATER WW=WASTEWATER S=SOIL L=Liquid SD=SOLID CODE: SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE																									
# Containers & Preservatives																									
MERIT LAB NO. FOR LAB USE ONLY	YEAR	SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	NONE	HCl	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	MeOH	OTHER	VOCs	Dissolved Metals												
60781.01		SB1 TWT	GW	5	1	3	1					X	X												
.02		SB2 TWT		3	0																				
.03		SB4 TWT		5	3																				
.04		SB6 TWT		5	2																				
.05		SB7 TWT		5	2																				
.06		SB8 TWT		5	1	3	1																		
.07		FIELD BLANK	W	3	3							X	X												
.08		TRIP BLANK	W	3	3							X	X												
.09		DUPPLICATE	GW	3	2	1																			
DISOLVED METALS																									
ZINC COPPER ARSENIC																									
LEAD CHROME																									
MANGANESE CHROMIUM																									

RELINQUISHED BY: SIGNATURE/ORGANIZATION	Sampler	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION		4/23/14	0100
RELINQUISHED BY: SIGNATURE/ORGANIZATION		DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION		DATE	TIME

RELINQUISHED BY: SIGNATURE/ORGANIZATION	DATE	TIME	
RECEIVED BY: SIGNATURE/ORGANIZATION	4/23/14	1500	
SEAL NO.	SEAL INTACT YES <input type="checkbox"/> NO <input type="checkbox"/>	INITIALS	NOTES:
SEAL NO.	SEAL INTACT YES <input type="checkbox"/> NO <input type="checkbox"/>	INITIALS	TEMP. ON ARRIVAL <u>57.0</u>



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C.O.C. PAGE #        OF

0

73370

## **REPORT TO**

## **CHAIN OF CUSTODY RECORD**

**INVOICE TO**

CONTACT NAME			
COMPANY			
ADDRESS			
CITY		STATE	ZIP CODE
PHONE NO.	FAX NO.	P.O. NO.	
E-MAIL ADDRESS		QUOTE NO.	

CONTACT NAME <i>Mike Smith</i>	<input type="checkbox"/> SAME	
COMPANY <i>Applied Ecosystems Inc.</i>		
ADDRESS		
CITY <i>Burton</i>	STATE <i>MI</i>	ZIP CODE <i>48529</i>
PHONE NO.	E-MAIL ADDRESS <i>AE-MI@YAHOO.COM</i>	

**ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)**

## DISSOLVED METALS

COPPER LEAD

COPPER      LONO  
ARSENIC      CHROMIUM

## DASENIT CHROMIUM

RELINQUISHED BY: SIGNATURE/ORGANIZATION	<i>J. R. M. W.</i>	Sampler	DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION	<i>Chittell</i>		DATE <i>4-23-14</i>	TIME <i>0900</i>
RELINQUISHED BY: SIGNATURE/ORGANIZATION			DATE	TIME
RECEIVED BY: SIGNATURE/ORGANIZATION			DATE	TIME

RELINQUISHED BY:	<i>John George</i>	DATE 4/23/14	TIME 1500
SIGNATURE/ORGANIZATION			
RECEIVED BY:	<i>John George</i>	DATE 4/23/14	TIME 1500
SIGNATURE/ORGANIZATION			
SEAL NO.	SEAL INTACT	INITIALS	NOTES: TEMP. ON ARRIVAL <u>80</u>
	YES <input type="checkbox"/> NO <input type="checkbox"/>		
SEAL NO.	SEAL INTACT	INITIALS	
	YES <input type="checkbox"/> NO <input type="checkbox"/>		

ATTACHMENT #4: SOIL ANALYTICAL TABLES

**SOIL ANALYTICAL DATA (Metals and Detected VOCs)**  
**RACER - Flint West #12990**

	Sample ID	SB124-4	SB124-10	SB124-21	SB125-4	SB125-13	SB125-19	SB126-4	SB126-11	SB126-15	SB127-4	SB127-8	SB127-15	SB127-20	SB128-3	SB128-7	SB128-10	SB129-4	SB129-8	SB129-18	SB130-4	SB130-10	SB130-18	SB131-4	SB131-10	SB131-18										
	Date Collected	4/21/14	4/21/14	4/21/14	4/21/14	4/21/14	4/21/14	4/21/14	4/21/14	4/21/14	4/21/14	4/21/14	4/21/14	4/21/14	4/21/14	4/21/14	4/22/14	4/22/14	4/22/14	4/22/14	4/22/14	4/22/14	4/22/14	4/22/14	4/22/14											
ANALYTE (ug/kg)	DW	GSI																																		
Arsenic	5,800.00	5,800.00	D&G=B	1,130.00	1,100.00	1,830.00	570.00	1,440.00	1,410.00	1,300.00	1,250.00	1,180.00	410.00	1,630.00	2,060.00	1,780.00	500.00	1,550.00	1,150.00	2,790.00	1,740.00	1,460.00	3,580.00	1,700.00	1,980.00	1,630.00	1,300.00	2,080.00								
Chromium	18,000.00	18,000.00	D&G=B	1,220.00	1,460.00	3,350.00	2,050.00	3,260.00	4,240.00	1,220.00	2,920.00	2,870.00	1,980.00	2,560.00	4,540.00	610.00	1,460.00	2,860.00	5,890.00	2,550.00	4,080.00	4,730.00	3,090.00	1,150.00	2,770.00	1,640.00	2,800.00	2,620.00								
Copper	5,800,000.00	120,000.00	GX	1,700.00	2,300.00	8,200.00	7,400.00	6,100.00	11,400.00	3,400.00	3,100.00	5,600.00	1,600.00	3,000.00	5,800.00	1,200.00	3,900.00	5,600.00	5,300.00	13,000.00	3,600.00	7,200.00	17,700.00	1,700.00	9,800.00	8,500.00	3,100.00	7,900.00								
Lead	700,000,000.00	5,000,000,000.00	GX	2,510.00	3,120.00	7,580.00	13,800.00	5,100.00	8,590.00	2,280.00	3,790.00	5,470.00	4,710.00	5,740.00	7,330.00	950.00	6,250.00	11,400.00	6,950.00	104,000.00	6,100.00	7,420.00	123,000.00	2,110.00	6,510.00	36,400.00	4,740.00	6,020.00								
Selenium	4,000.00	410.00	G=B			210.00			210.00			160.00									130.00		150.00	140.00												
Zinc	2,400,000.00	2,600,000.00	G=B	4,600.00	5,100.00	19,000.00	11,400.00	12,200.00	20,800.00	5,900.00	8,600.00	14,700.00	3,700.00	10,300.00	20,300.00	2,400.00	6,000.00	13,200.00	9,900.00	21,300.00	13,100.00	19,200.00	51,800.00	5,800.00	18,000.00	16,800.00	13,600.00	18,600.00								
ANALYTE (ug/kg)	DW	GSI																																		
2 Butanone (MEK)	260,000.00	44,000.00		45.00	71.00	56.00		165.00	79.00	82.00	150.00	75.00	46.00	66.00	148.00	126.00	44.00	123.00	127.00	40.00	53.00	82.00	69.00	68.00	70.00	79.00	65.00	164.00								
Vinyl Chloride	40.00	260.00								23.00																	73.00		90.00							
1,1-Dichloroethene	140.00	2,600.00																											34.00		18.00					
trans-1,2-Dichloroethene	2,000.00	30,000.00																											100.00		62.00					
1,1-Dichloroethane	18,000.00	15,000.00																											69.00		35.00					
cis-1,2-Dichloroethene	1,400.00	12,000.00				58.00				350.00												300.00							6,380.00		2,820.00					
Tetrahydrofuran	1,900.00	220,000.00		170.00	190.00	190.00	150.00	180.00	180.00	140.00	190.00	210.00	190.00	190.00	170.00	190.00	150.00	150.00	140.00	150.00	180.00	180.00	180.00	170.00	160.00	150.00	180.00	160.00								
Chloroform	1,600.00	7,000.00											16.00																							
1,1,1-Trichloroethane	4,000.00	1,800.00											11.00																							
Benzene	100.00	4,000.00																											36.00							
Trichloroethylene	100.00	4,000.00							1,420.00				3,650.00										6,170.00							6,080.00	28.00	12,160.00				
Toluene	16,000.00	5,400.00		11.00																		13.00		19.00	31.00						45.00					
Ethylbenzene	1,500.00	360.00																													15.00					
Total Xylenes	5,600.00	820.00																													92.00		91.00			
Isopropylbenzene	91,000.00	3,200.00																				16.00									13.00					
n-Propylbenzene	1,600.00	NC																													16.00					
1,2-Dichlorobenzene	14,000.00	280.00																																		
1,2,4-Trimethylbenzene	2,100.00	570.00																														14.00		24.00		
1,2,3-Trimethylbenzene	NC	NC																																11.80		
Naphthalene	35,000.00	730.00		10.80					14.40	17.00		13.70				12.90		14.30				345.70	46.90	39.50	12.50		51.50				100.30					
2-Methylnaphthalene	57,000.00	4,200.00		10.20					14.00	39.00		13.00	19.00				30.00		10.00	820.00	46.00	43.00			54.10				71.80							

---

## NOTES

	Blank cells indicate no detectable concentrations
X	Exceeds DW criteria
X	Exceeds GSI criteria
X	Exceeds both DW and GSI criteria
X	Compound also found in associated method blank, suggesting a laboratory artifact.
NC	Insufficient data to develop criterion/no criterion
GX	Groundwater to Surface Water Interface Criteria - calculated based on 257ppm total hardness in the Flint River

ATTACHMENT #5: SOIL ANALYTICAL DATA



# Analytical Laboratory Report

Report ID: S60798.01(01)  
Generated on 05/07/2014

## Report to

Attention: Mike Smith  
Applied Ecosystems  
G4300 S. Saginaw St.  
Burton, MI 48529

Phone: 810-715-2525 FAX: 810-715-2526  
Email: ae\_mds@yahoo.com

Additional Contacts: Jesse Anderson

## Report produced by

Merit Laboratories, Inc.  
2680 East Lansing Drive  
East Lansing, MI 48823

Phone: (517) 332-0167 FAX: (517) 332-6333

Contacts for report questions:  
Kevin George (kgeorge@meritlabs.com)  
Barbara Ball (bball@meritlabs.com)

## Report Summary

Lab Sample ID(s): S60798.01-S60798.29

Project: Racer Flint West

Collected Date: 04/21/2014 - 04/22/2014

Submitted Date/Time: 04/24/2014 14:50

Sampled by: Unknown

P.O. #: PO194737

## Report Notes

Results relate only to items tested as received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).

Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

Report shall not be reproduced except in full, without the written approval of Merit Laboratories, Inc..

## Laboratory Certifications:

Michigan DNRE (#9956), DOD/ISO 17025 (#69699), WBENC (#2005110032), Ohio EPA (#CL0002)

IN Drinking Water (#C-MI-07), NELAC NY (#11814), NCDENR (#680), NC Drinking Water (#26702)

Some analytes reported may not be certified. Full certification lists are available upon request.

A handwritten signature in black ink that reads "Violetta F. Murshak".

Violetta F. Murshak  
Laboratory Director



# Analytical Laboratory Report

## Sample Summary (29 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S60798.01	SB124 - 4'	Soil	04/21/2014 00:01
S60798.02	SB125 - 4'	Soil	04/21/2014 00:01
S60798.03	SB126 - 4'	Soil	04/21/2014 00:01
S60798.04	SB127 - 4'	Soil	04/21/2014 00:01
S60798.05	SB128 - 3'	Soil	04/21/2014 00:01
S60798.06	SB129 - 4'	Soil	04/22/2014 00:01
S60798.07	SB130 - 4'	Soil	04/22/2014 00:01
S60798.08	SB131 - 4'	Soil	04/22/2014 00:01
S60798.09	SB124 - 10'	Soil	04/21/2014 00:01
S60798.10	SB125 - 13'	Soil	04/21/2014 00:01
S60798.11	SB126 - 11'	Soil	04/21/2014 00:01
S60798.12	SB127 - 8'	Soil	04/21/2014 00:01
S60798.13	SB128 - 7'	Soil	04/21/2014 00:01
S60798.14	SB129 - 8'	Soil	04/22/2014 00:01
S60798.15	SB130 - 10'	Soil	04/22/2014 00:01
S60798.16	SB131 - 10'	Soil	04/22/2014 00:01
S60798.17	SB124 - 21'	Soil	04/21/2014 00:01
S60798.18	SB125 - 19'	Soil	04/21/2014 00:01
S60798.19	SB126 - 15'	Soil	04/21/2014 00:01
S60798.20	SB127 - 15'	Soil	04/21/2014 00:01
S60798.21	SB128 - 10'	Soil	04/21/2014 00:01
S60798.22	SB129 - 18'	Soil	04/22/2014 00:01
S60798.23	SB130 - 18'	Soil	04/22/2014 00:01
S60798.24	SB131 - 18'	Soil	04/22/2014 00:01
S60798.25	SB127 - 20'	Soil	04/21/2014 00:01
S60798.26	Field Blank	Methanol	04/21/2014 00:01
S60798.27	Trip Blank	Methanol	04/21/2014 00:01
S60798.28	Field Blank	Methanol	04/22/2014 00:01
S60798.29	Trip Blank	Methanol	04/22/2014 00:01



# Analytical Laboratory Report

Lab Sample ID: S60798.01

Sample Tag: SB124 - 4'

Collected Date/Time: 04/21/2014 00:01

Matrix: Soil

COC Reference: 73372

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
----------	---------	-------	----	--------	---------------	---------	-----	-------

## Extraction / Prep.

Metal Digestion	Completed			SW3050B	05/05/14 12:30	CCM
-----------------	-----------	--	--	---------	----------------	-----

## Inorganics

Total Solids	87	%	1	Std M 2540 B	04/27/14 17:50	ASB	1
--------------	----	---	---	--------------	----------------	-----	---

## Metals

Arsenic	1.13	mg/kg	0.10	SW6020A	05/05/14 15:21	CCM	0.0072
Chromium	1.22	mg/kg	0.50	SW6020A	05/05/14 15:21	CCM	0.012
Copper	1.7	mg/kg	1.0	SW6020A	05/05/14 15:21	CCM	0.014
Lead	2.51	mg/kg	0.30	SW6020A	05/05/14 15:21	CCM	0.015
Selenium	Not detected	mg/kg	0.40	SW6020A	05/05/14 15:21	CCM	0.015
Zinc	4.6	mg/kg	1.0	SW6020A	05/05/14 15:21	CCM	0.16

## Organics - Volatiles

### Volatile Organics 5035

Diethyl ether	Not detected	ug/kg	300	SW8260B/5035	04/25/14 14:50	WAT	20	
Acetone	Not detected	ug/kg	1,000	SW8260B/5035	04/25/14 14:50	WAT	430	
Methyl iodide	Not detected	ug/kg	100	SW8260B/5035	04/25/14 14:50	WAT	6.8	
Carbon disulfide	Not detected	ug/kg	300	SW8260B/5035	04/25/14 14:50	WAT	8.8	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260B/5035	04/25/14 14:50	WAT	12	
Acrylonitrile	Not detected	ug/kg	100	SW8260B/5035	04/25/14 14:50	WAT	47	
2-Butanone (MEK)	45	ug/kg	950	SW8260B/5035	04/25/14 14:50	WAT	31	JB
Dichlorodifluoromethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 14:50	WAT	14	
Chloromethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 14:50	WAT	13	
Vinyl chloride	Not detected	ug/kg	60	SW8260B/5035	04/25/14 14:50	WAT	13	
Bromomethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 14:50	WAT	13	
Chloroethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 14:50	WAT	14	
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 14:50	WAT	9.9	
1,1-Dichloroethene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 14:50	WAT	14	
Methylene chloride	Not detected	ug/kg	100	SW8260B/5035	04/25/14 14:50	WAT	14	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 14:50	WAT	11	
1,1-Dichloroethane	Not detected	ug/kg	60	SW8260B/5035	04/25/14 14:50	WAT	11	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 14:50	WAT	10	
Tetrahydrofuran	170	ug/kg	1,000	SW8260B/5035	04/25/14 14:50	WAT	110	JB
Chloroform	Not detected	ug/kg	60	SW8260B/5035	04/25/14 14:50	WAT	9.8	
Bromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 14:50	WAT	14	
1,1,1-Trichloroethane	Not detected	ug/kg	60	SW8260B/5035	04/25/14 14:50	WAT	8.1	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	SW8260B/5035	04/25/14 14:50	WAT	27	
2-Hexanone	Not detected	ug/kg	3,000	SW8260B/5035	04/25/14 14:50	WAT	16	
Carbon tetrachloride	Not detected	ug/kg	60	SW8260B/5035	04/25/14 14:50	WAT	9.2	
Benzene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 14:50	WAT	12	

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S60798.01 (continued)

Sample Tag: SB124 - 4'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
1,2-Dichloroethane	Not detected	ug/kg	60	SW8260B/5035	04/25/14 14:50	WAT	14	
Trichloroethene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 14:50	WAT	12	
1,2-Dichloropropane	Not detected	ug/kg	60	SW8260B/5035	04/25/14 14:50	WAT	8.2	
Bromodichloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 14:50	WAT	9.4	
Dibromomethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 14:50	WAT	9.8	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 14:50	WAT	9.2	
Toluene	11	ug/kg	100	SW8260B/5035	04/25/14 14:50	WAT	11	J
trans-1,3-Dichloropropene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 14:50	WAT	8.1	
1,1,2-Trichloroethane	Not detected	ug/kg	60	SW8260B/5035	04/25/14 14:50	WAT	12	
Tetrachloroethene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 14:50	WAT	11	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 14:50	WAT	23	
Dibromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 14:50	WAT	7.7	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260B/5035	04/25/14 14:50	WAT	7.9	M
Chlorobenzene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 14:50	WAT	10	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 14:50	WAT	7.7	
Ethylbenzene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 14:50	WAT	12	
p,m-Xylene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 14:50	WAT	23	
o-Xylene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 14:50	WAT	12	
Styrene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 14:50	WAT	12	
Isopropylbenzene	Not detected	ug/kg	300	SW8260B/5035	04/25/14 14:50	WAT	11	
Bromoform	Not detected	ug/kg	100	SW8260B/5035	04/25/14 14:50	WAT	13	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	SW8260B/5035	04/25/14 14:50	WAT	9.1	
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 14:50	WAT	22	
n-Propylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 14:50	WAT	11	
Bromobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 14:50	WAT	12	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 14:50	WAT	11	
tert-Butylbenzene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 14:50	WAT	13	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 14:50	WAT	13	
sec-Butylbenzene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 14:50	WAT	13	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 14:50	WAT	13	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 14:50	WAT	13	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 14:50	WAT	11	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 14:50	WAT	14	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 14:50	WAT	8.4	
n-Butylbenzene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 14:50	WAT	5.1	
Hexachloroethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 14:50	WAT	8.3	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 14:50	WAT	14	
1,2,4-Trichlorobenzene	Not detected	ug/kg	420	SW8260B/5035	04/25/14 14:50	WAT	8.4	
1,2,3-Trichlorobenzene	Not detected	ug/kg	420	SW8260B/5035	04/25/14 14:50	WAT	9.6	
Naphthalene	10.8	ug/kg	420	SW8260B/5035	04/25/14 14:50	WAT	8.5	J
2-Methylnaphthalene	10.2	ug/kg	420	SW8260B/5035	04/25/14 14:50	WAT	9.9	J

J-Estimated value less than reporting limit, but greater than MDL

M-Result reported to MDL not RDL



# Analytical Laboratory Report

Lab Sample ID: S60798.02

Sample Tag: SB125 - 4'

Collected Date/Time: 04/21/2014 00:01

Matrix: Soil

COC Reference: 73372

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3050B	05/05/14 12:30	CCM
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## Inorganics

Total Solids	87	%	1	Std M 2540 B	04/27/14 17:50	ASB	1
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## Metals

Arsenic	0.57	mg/kg	0.10	SW6020A	05/05/14 15:25	CCM	0.0072
Chromium	2.05	mg/kg	0.50	SW6020A	05/05/14 15:25	CCM	0.012
Copper	7.4	mg/kg	1.0	SW6020A	05/05/14 15:25	CCM	0.014
Lead	13.8	mg/kg	0.30	SW6020A	05/05/14 15:25	CCM	0.015
Selenium	Not detected	mg/kg	0.40	SW6020A	05/05/14 15:25	CCM	0.015
Zinc	11.4	mg/kg	1.0	SW6020A	05/05/14 15:25	CCM	0.16

## Organics - Volatiles

### Volatile Organics 5035

Diethyl ether	Not detected	ug/kg	300	SW8260B/5035	04/25/14 15:11	WAT	21	
Acetone	Not detected	ug/kg	1,000	SW8260B/5035	04/25/14 15:11	WAT	440	
Methyl iodide	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:11	WAT	7.0	
Carbon disulfide	Not detected	ug/kg	300	SW8260B/5035	04/25/14 15:11	WAT	9.1	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260B/5035	04/25/14 15:11	WAT	12	
Acrylonitrile	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:11	WAT	49	
2-Butanone (MEK)	Not detected	ug/kg	980	SW8260B/5035	04/25/14 15:11	WAT	32	
Dichlorodifluoromethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 15:11	WAT	15	
Chloromethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 15:11	WAT	13	
Vinyl chloride	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:11	WAT	13	
Bromomethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 15:11	WAT	14	
Chloroethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 15:11	WAT	14	
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:11	WAT	10	
1,1-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:11	WAT	14	
Methylene chloride	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:11	WAT	14	
trans-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:11	WAT	11	
1,1-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:11	WAT	11	
cis-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:11	WAT	10	
Tetrahydrofuran	150	ug/kg	1,000	SW8260B/5035	04/25/14 15:11	WAT	110	JB
Chloroform	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:11	WAT	10	
Bromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:11	WAT	14	
1,1,1-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:11	WAT	8.4	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	SW8260B/5035	04/25/14 15:11	WAT	28	
2-Hexanone	Not detected	ug/kg	3,000	SW8260B/5035	04/25/14 15:11	WAT	16	
Carbon tetrachloride	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:11	WAT	9.5	
Benzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:11	WAT	12	

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S60798.02 (continued)

Sample Tag: SB125 - 4'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
1,2-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:11	WAT	15	
Trichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:11	WAT	12	
1,2-Dichloropropane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:11	WAT	8.5	
Bromodichloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:11	WAT	9.7	
Dibromomethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 15:11	WAT	10	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:11	WAT	9.5	
Toluene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:11	WAT	11	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:11	WAT	8.3	
1,1,2-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:11	WAT	12	
Tetrachloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:11	WAT	12	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:11	WAT	24	
Dibromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:11	WAT	7.9	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260B/5035	04/25/14 15:11	WAT	8.1	M
Chlorobenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:11	WAT	11	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:11	WAT	8.0	
Ethylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:11	WAT	13	
p,m-Xylene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:11	WAT	24	
o-Xylene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:11	WAT	12	
Styrene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:11	WAT	13	
Isopropylbenzene	Not detected	ug/kg	300	SW8260B/5035	04/25/14 15:11	WAT	11	
Bromoform	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:11	WAT	13	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:11	WAT	9.4	
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:11	WAT	23	
n-Propylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:11	WAT	11	
Bromobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:11	WAT	12	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:11	WAT	11	
tert-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:11	WAT	14	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:11	WAT	13	
sec-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:11	WAT	13	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:11	WAT	13	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:11	WAT	13	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:11	WAT	11	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:11	WAT	14	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:11	WAT	8.7	
n-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:11	WAT	5.3	
Hexachloroethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 15:11	WAT	8.5	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 15:11	WAT	14	
1,2,4-Trichlorobenzene	Not detected	ug/kg	430	SW8260B/5035	04/25/14 15:11	WAT	8.7	
1,2,3-Trichlorobenzene	Not detected	ug/kg	430	SW8260B/5035	04/25/14 15:11	WAT	9.9	
Naphthalene	14.4	ug/kg	430	SW8260B/5035	04/25/14 15:11	WAT	8.8	J
2-Methylnaphthalene	14	ug/kg	430	SW8260B/5035	04/25/14 15:11	WAT	10	J

M-Result reported to MDL not RDL

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60798.03

Sample Tag: SB126 - 4'

Collected Date/Time: 04/21/2014 00:01

Matrix: Soil

COC Reference: 73372

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3050B	05/05/14 12:30	CCM
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## Inorganics

Total Solids	85	%	1	Std M 2540 B	04/27/14 17:50	ASB	1
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## Metals

Arsenic	1.30	mg/kg	0.10	SW6020A	05/05/14 15:28	CCM	0.0075
Chromium	1.22	mg/kg	0.50	SW6020A	05/05/14 15:28	CCM	0.012
Copper	3.4	mg/kg	1.0	SW6020A	05/05/14 15:28	CCM	0.015
Lead	2.28	mg/kg	0.30	SW6020A	05/05/14 15:28	CCM	0.016
Selenium	Not detected	mg/kg	0.40	SW6020A	05/05/14 15:28	CCM	0.015
Zinc	5.9	mg/kg	1.0	SW6020A	05/05/14 15:28	CCM	0.16

## Organics - Volatiles

### Volatile Organics 5035

Diethyl ether	Not detected	ug/kg	300	SW8260B/5035	04/25/14 15:31	WAT	21
Acetone	Not detected	ug/kg	1,000	SW8260B/5035	04/25/14 15:31	WAT	440
Methyl iodide	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:31	WAT	7.0
Carbon disulfide	Not detected	ug/kg	300	SW8260B/5035	04/25/14 15:31	WAT	9.0
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260B/5035	04/25/14 15:31	WAT	12
Acrylonitrile	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:31	WAT	48
2-Butanone (MEK)	82	ug/kg	980	SW8260B/5035	04/25/14 15:31	WAT	32
Dichlorodifluoromethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 15:31	WAT	15
Chloromethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 15:31	WAT	13
Vinyl chloride	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:31	WAT	13
Bromomethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 15:31	WAT	14
Chloroethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 15:31	WAT	14
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:31	WAT	10
1,1-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:31	WAT	14
Methylene chloride	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:31	WAT	14
trans-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:31	WAT	11
1,1-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:31	WAT	11
cis-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:31	WAT	10
Tetrahydrofuran	140	ug/kg	1,000	SW8260B/5035	04/25/14 15:31	WAT	110
Chloroform	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:31	WAT	10
Bromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:31	WAT	14
1,1,1-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:31	WAT	8.4
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	SW8260B/5035	04/25/14 15:31	WAT	28
2-Hexanone	Not detected	ug/kg	3,000	SW8260B/5035	04/25/14 15:31	WAT	16
Carbon tetrachloride	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:31	WAT	9.5
Benzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:31	WAT	12

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S60798.03 (continued)

Sample Tag: SB126 - 4'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
1,2-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:31	WAT	15	
Trichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:31	WAT	12	
1,2-Dichloropropane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:31	WAT	8.4	
Bromodichloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:31	WAT	9.7	
Dibromomethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 15:31	WAT	10	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:31	WAT	9.5	
Toluene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:31	WAT	11	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:31	WAT	8.3	
1,1,2-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:31	WAT	12	
Tetrachloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:31	WAT	12	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:31	WAT	24	
Dibromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:31	WAT	7.9	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260B/5035	04/25/14 15:31	WAT	8.1	M
Chlorobenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:31	WAT	11	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:31	WAT	8.0	
Ethylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:31	WAT	12	
p,m-Xylene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:31	WAT	24	
o-Xylene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:31	WAT	12	
Styrene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:31	WAT	13	
Isopropylbenzene	Not detected	ug/kg	300	SW8260B/5035	04/25/14 15:31	WAT	11	
Bromoform	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:31	WAT	13	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:31	WAT	9.4	
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:31	WAT	23	
n-Propylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:31	WAT	11	
Bromobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:31	WAT	12	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:31	WAT	11	
tert-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:31	WAT	14	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:31	WAT	13	
sec-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:31	WAT	13	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:31	WAT	13	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:31	WAT	13	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:31	WAT	11	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:31	WAT	14	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:31	WAT	8.7	
n-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:31	WAT	5.3	
Hexachloroethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 15:31	WAT	8.5	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 15:31	WAT	14	
1,2,4-Trichlorobenzene	Not detected	ug/kg	430	SW8260B/5035	04/25/14 15:31	WAT	8.6	
1,2,3-Trichlorobenzene	Not detected	ug/kg	430	SW8260B/5035	04/25/14 15:31	WAT	9.9	
Naphthalene	13.7	ug/kg	430	SW8260B/5035	04/25/14 15:31	WAT	8.8	J
2-Methylnaphthalene	13	ug/kg	430	SW8260B/5035	04/25/14 15:31	WAT	10	J

M-Result reported to MDL not RDL

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60798.04

Sample Tag: SB127 - 4'

Collected Date/Time: 04/21/2014 00:01

Matrix: Soil

COC Reference: 73372

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3050B	05/05/14 12:30	CCM
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## Inorganics

Total Solids	83	%	1	Std M 2540 B	04/27/14 17:50	ASB	1
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## Metals

Arsenic	0.41	mg/kg	0.10	SW6020A	05/05/14 15:31	CCM	0.0074
Chromium	1.98	mg/kg	0.50	SW6020A	05/05/14 15:31	CCM	0.012
Copper	1.6	mg/kg	1.0	SW6020A	05/05/14 15:31	CCM	0.015
Lead	4.71	mg/kg	0.30	SW6020A	05/05/14 15:31	CCM	0.015
Selenium	Not detected	mg/kg	0.40	SW6020A	05/05/14 15:31	CCM	0.015
Zinc	3.7	mg/kg	1.0	SW6020A	05/05/14 15:31	CCM	0.16

## Organics - Volatiles

### Volatile Organics 5035

Diethyl ether	Not detected	ug/kg	300	SW8260B/5035	04/25/14 15:52	WAT	23	
Acetone	Not detected	ug/kg	1,000	SW8260B/5035	04/25/14 15:52	WAT	480	
Methyl iodide	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:52	WAT	7.7	
Carbon disulfide	Not detected	ug/kg	400	SW8260B/5035	04/25/14 15:52	WAT	9.9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260B/5035	04/25/14 15:52	WAT	13	
Acrylonitrile	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:52	WAT	53	
2-Butanone (MEK)	46	ug/kg	1,100	SW8260B/5035	04/25/14 15:52	WAT	35	JB
Dichlorodifluoromethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 15:52	WAT	16	
Chloromethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 15:52	WAT	14	
Vinyl chloride	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:52	WAT	14	
Bromomethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 15:52	WAT	15	
Chloroethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 15:52	WAT	15	
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:52	WAT	11	
1,1-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:52	WAT	15	
Methylene chloride	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:52	WAT	15	
trans-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:52	WAT	12	
1,1-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:52	WAT	12	
cis-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:52	WAT	11	
Tetrahydrofuran	190	ug/kg	1,000	SW8260B/5035	04/25/14 15:52	WAT	120	JB
Chloroform	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:52	WAT	11	
Bromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:52	WAT	15	
1,1,1-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:52	WAT	9.2	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	SW8260B/5035	04/25/14 15:52	WAT	31	
2-Hexanone	Not detected	ug/kg	4,000	SW8260B/5035	04/25/14 15:52	WAT	18	
Carbon tetrachloride	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:52	WAT	10	
Benzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:52	WAT	13	

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S60798.04 (continued)

Sample Tag: SB127 - 4'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
1,2-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:52	WAT	16	
Trichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:52	WAT	13	
1,2-Dichloropropane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:52	WAT	9.2	
Bromodichloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:52	WAT	11	
Dibromomethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 15:52	WAT	11	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:52	WAT	10	
Toluene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:52	WAT	12	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:52	WAT	9.1	
1,1,2-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:52	WAT	13	
Tetrachloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:52	WAT	13	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:52	WAT	26	
Dibromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:52	WAT	8.7	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260B/5035	04/25/14 15:52	WAT	8.9	M
Chlorobenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:52	WAT	12	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:52	WAT	8.7	
Ethylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:52	WAT	14	
p,m-Xylene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:52	WAT	26	
o-Xylene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:52	WAT	13	
Styrene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:52	WAT	14	
Isopropylbenzene	Not detected	ug/kg	400	SW8260B/5035	04/25/14 15:52	WAT	12	
Bromoform	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:52	WAT	14	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:52	WAT	10	
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:52	WAT	25	
n-Propylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:52	WAT	13	
Bromobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:52	WAT	14	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:52	WAT	13	
tert-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:52	WAT	15	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:52	WAT	14	
sec-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:52	WAT	15	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:52	WAT	14	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:52	WAT	14	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:52	WAT	12	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:52	WAT	15	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 15:52	WAT	9.5	
n-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 15:52	WAT	5.8	
Hexachloroethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 15:52	WAT	9.3	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 15:52	WAT	15	
1,2,4-Trichlorobenzene	Not detected	ug/kg	470	SW8260B/5035	04/25/14 15:52	WAT	9.4	
1,2,3-Trichlorobenzene	Not detected	ug/kg	470	SW8260B/5035	04/25/14 15:52	WAT	11	
Naphthalene	12.9	ug/kg	470	SW8260B/5035	04/25/14 15:52	WAT	9.6	J
2-Methylnaphthalene	Not detected	ug/kg	470	SW8260B/5035	04/25/14 15:52	WAT	11	

M-Result reported to MDL not RDL

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60798.05

Sample Tag: SB128 - 3'

Collected Date/Time: 04/21/2014 00:01

Matrix: Soil

COC Reference: 73372

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3050B	05/05/14 12:30	CCM
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## Inorganics

Total Solids	88	%	1	Std M 2540 B	04/27/14 17:50	ASB	1
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## Metals

Arsenic	0.50	mg/kg	0.10	SW6020A	05/05/14 15:34	CCM	0.0070
Chromium	1.46	mg/kg	0.50	SW6020A	05/05/14 15:34	CCM	0.011
Copper	3.9	mg/kg	1.0	SW6020A	05/05/14 15:34	CCM	0.014
Lead	6.25	mg/kg	0.30	SW6020A	05/05/14 15:34	CCM	0.015
Selenium	Not detected	mg/kg	0.40	SW6020A	05/05/14 15:34	CCM	0.014
Zinc	6.0	mg/kg	1.0	SW6020A	05/05/14 15:34	CCM	0.15

## Organics - Volatiles

### Volatile Organics 5035

Diethyl ether	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:12	WAT	20	
Acetone	Not detected	ug/kg	1,000	SW8260B/5035	04/25/14 16:12	WAT	420	
Methyl iodide	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:12	WAT	6.7	
Carbon disulfide	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:12	WAT	8.6	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:12	WAT	11	
Acrylonitrile	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:12	WAT	46	
2-Butanone (MEK)	44	ug/kg	940	SW8260B/5035	04/25/14 16:12	WAT	31	JB
Dichlorodifluoromethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:12	WAT	14	
Chloromethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:12	WAT	12	
Vinyl chloride	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:12	WAT	12	
Bromomethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:12	WAT	13	
Chloroethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:12	WAT	13	
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:12	WAT	9.8	
1,1-Dichloroethene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:12	WAT	13	
Methylene chloride	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:12	WAT	13	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:12	WAT	11	
1,1-Dichloroethane	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:12	WAT	11	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:12	WAT	9.9	
Tetrahydrofuran	150	ug/kg	1,000	SW8260B/5035	04/25/14 16:12	WAT	100	JB
Chloroform	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:12	WAT	9.7	
Bromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:12	WAT	13	
1,1,1-Trichloroethane	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:12	WAT	8.0	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	SW8260B/5035	04/25/14 16:12	WAT	27	
2-Hexanone	Not detected	ug/kg	3,000	SW8260B/5035	04/25/14 16:12	WAT	16	
Carbon tetrachloride	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:12	WAT	9.1	
Benzene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:12	WAT	12	

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S60798.05 (continued)

Sample Tag: SB128 - 3'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
1,2-Dichloroethane	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:12	WAT	14	
Trichloroethene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:12	WAT	12	
1,2-Dichloropropane	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:12	WAT	8.1	
Bromodichloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:12	WAT	9.3	
Dibromomethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:12	WAT	9.6	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:12	WAT	9.1	
Toluene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:12	WAT	11	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:12	WAT	8.0	
1,1,2-Trichloroethane	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:12	WAT	11	
Tetrachloroethene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:12	WAT	11	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:12	WAT	23	
Dibromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:12	WAT	7.6	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260B/5035	04/25/14 16:12	WAT	7.8	M
Chlorobenzene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:12	WAT	10	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:12	WAT	7.6	
Ethylbenzene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:12	WAT	12	
p,m-Xylene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:12	WAT	23	
o-Xylene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:12	WAT	11	
Styrene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:12	WAT	12	
Isopropylbenzene	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:12	WAT	11	
Bromoform	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:12	WAT	12	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:12	WAT	9.0	
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:12	WAT	22	
n-Propylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:12	WAT	11	
Bromobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:12	WAT	12	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:12	WAT	11	
tert-Butylbenzene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:12	WAT	13	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:12	WAT	12	
sec-Butylbenzene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:12	WAT	13	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:12	WAT	13	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:12	WAT	13	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:12	WAT	11	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:12	WAT	13	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:12	WAT	8.3	
n-Butylbenzene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:12	WAT	5.1	
Hexachloroethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 16:12	WAT	8.1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:12	WAT	13	
1,2,4-Trichlorobenzene	Not detected	ug/kg	410	SW8260B/5035	04/25/14 16:12	WAT	8.3	
1,2,3-Trichlorobenzene	Not detected	ug/kg	410	SW8260B/5035	04/25/14 16:12	WAT	9.5	
Naphthalene	Not detected	ug/kg	410	SW8260B/5035	04/25/14 16:12	WAT	8.4	
2-Methylnaphthalene	10.0	ug/kg	410	SW8260B/5035	04/25/14 16:12	WAT	9.8	J

M-Result reported to MDL not RDL

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60798.06

Sample Tag: SB129 - 4'

Collected Date/Time: 04/22/2014 00:01

Matrix: Soil

COC Reference: 73372

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3050B	05/05/14 12:30	CCM
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## Inorganics

Total Solids	86	%	1	Std M 2540 B	04/27/14 17:50	ASB	1
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## Metals

Arsenic	2.79	mg/kg	0.10	SW6020A	05/05/14 15:37	CCM	0.0072
Chromium	2.55	mg/kg	0.50	SW6020A	05/05/14 15:37	CCM	0.012
Copper	13.0	mg/kg	1.0	SW6020A	05/05/14 15:37	CCM	0.014
Lead	104	mg/kg	0.30	SW6020A	05/05/14 15:37	CCM	0.015
Selenium	0.13	mg/kg	0.40	SW6020A	05/05/14 15:37	CCM	0.015
Zinc	21.3	mg/kg	1.0	SW6020A	05/05/14 15:37	CCM	0.16

## Organics - Volatiles

### Volatile Organics 5035

Diethyl ether	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:33	WAT	21
Acetone	Not detected	ug/kg	1,000	SW8260B/5035	04/25/14 16:33	WAT	440
Methyl iodide	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:33	WAT	7.1
Carbon disulfide	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:33	WAT	9.1
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:33	WAT	12
Acrylonitrile	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:33	WAT	49
2-Butanone (MEK)	40	ug/kg	990	SW8260B/5035	04/25/14 16:33	WAT	33
Dichlorodifluoromethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:33	WAT	15
Chloromethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:33	WAT	13
Vinyl chloride	Not detected	ug/kg	70	SW8260B/5035	04/25/14 16:33	WAT	13
Bromomethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:33	WAT	14
Chloroethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:33	WAT	14
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:33	WAT	10
1,1-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 16:33	WAT	14
Methylene chloride	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:33	WAT	14
trans-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 16:33	WAT	11
1,1-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 16:33	WAT	11
cis-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 16:33	WAT	10
Tetrahydrofuran	150	ug/kg	1,000	SW8260B/5035	04/25/14 16:33	WAT	110
Chloroform	Not detected	ug/kg	70	SW8260B/5035	04/25/14 16:33	WAT	10
Bromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:33	WAT	14
1,1,1-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 16:33	WAT	8.4
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	SW8260B/5035	04/25/14 16:33	WAT	28
2-Hexanone	Not detected	ug/kg	3,000	SW8260B/5035	04/25/14 16:33	WAT	17
Carbon tetrachloride	Not detected	ug/kg	70	SW8260B/5035	04/25/14 16:33	WAT	9.6

b-Value detected less than reporting limit, but greater than MDL

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S60798.06 (continued)

Sample Tag: SB129 - 4'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
Benzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 16:33	WAT	12	
1,2-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 16:33	WAT	15	
Trichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 16:33	WAT	12	
1,2-Dichloropropane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 16:33	WAT	8.5	
Bromodichloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:33	WAT	9.8	
Dibromomethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:33	WAT	10	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 16:33	WAT	9.6	
Toluene	13	ug/kg	100	SW8260B/5035	04/25/14 16:33	WAT	11	J
trans-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 16:33	WAT	8.4	
1,1,2-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 16:33	WAT	12	
Tetrachloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 16:33	WAT	12	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 16:33	WAT	24	
Dibromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:33	WAT	8.0	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260B/5035	04/25/14 16:33	WAT	8.2	M
Chlorobenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 16:33	WAT	11	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:33	WAT	8.0	
Ethylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 16:33	WAT	13	
p,m-Xylene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:33	WAT	24	
o-Xylene	21	ug/kg	70	SW8260B/5035	04/25/14 16:33	WAT	12	J
Styrene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 16:33	WAT	13	
Isopropylbenzene	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:33	WAT	11	
Bromoform	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:33	WAT	13	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 16:33	WAT	9.5	
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:33	WAT	23	
n-Propylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:33	WAT	12	
Bromobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:33	WAT	13	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:33	WAT	12	
tert-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 16:33	WAT	14	
1,2,4-Trimethylbenzene	14	ug/kg	100	SW8260B/5035	04/25/14 16:33	WAT	13	J
sec-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 16:33	WAT	13	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:33	WAT	13	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:33	WAT	13	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:33	WAT	11	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:33	WAT	14	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:33	WAT	8.8	
n-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 16:33	WAT	5.3	
Hexachloroethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 16:33	WAT	8.6	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:33	WAT	14	
1,2,4-Trichlorobenzene	Not detected	ug/kg	430	SW8260B/5035	04/25/14 16:33	WAT	8.7	
1,2,3-Trichlorobenzene	Not detected	ug/kg	430	SW8260B/5035	04/25/14 16:33	WAT	10.0	
Naphthalene	39.5	ug/kg	430	SW8260B/5035	04/25/14 16:33	WAT	8.8	J
2-Methylnaphthalene	43	ug/kg	430	SW8260B/5035	04/25/14 16:33	WAT	10	J

J-Estimated value less than reporting limit, but greater than MDL

M-Result reported to MDL not RDL



# Analytical Laboratory Report

Lab Sample ID: S60798.07

Sample Tag: SB130 - 4'

Collected Date/Time: 04/22/2014 00:01

Matrix: Soil

COC Reference: 73372

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3050B	05/05/14 12:30	CCM
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## Inorganics

Total Solids	87	%	1	Std M 2540 B	04/27/14 17:50	ASB	1
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## Metals

Arsenic	3.58	mg/kg	0.10	SW6020A	05/05/14 15:40	CCM	0.0070
Chromium	3.09	mg/kg	0.50	SW6020A	05/05/14 15:40	CCM	0.011
Copper	17.7	mg/kg	1.0	SW6020A	05/05/14 15:40	CCM	0.014
Lead	123	mg/kg	0.30	SW6020A	05/05/14 15:40	CCM	0.015
Selenium	0.14	mg/kg	0.40	SW6020A	05/05/14 15:40	CCM	0.014
Zinc	51.8	mg/kg	1.0	SW6020A	05/05/14 15:40	CCM	0.15

## Organics - Volatiles

### Volatile Organics 5035

Diethyl ether	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:53	WAT	20
Acetone	Not detected	ug/kg	1,000	SW8260B/5035	04/25/14 16:53	WAT	430
Methyl iodide	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:53	WAT	6.8
Carbon disulfide	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:53	WAT	8.8
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:53	WAT	12
Acrylonitrile	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:53	WAT	47
2-Butanone (MEK)	69	ug/kg	950	SW8260B/5035	04/25/14 16:53	WAT	31
Dichlorodifluoromethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:53	WAT	14
Chloromethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:53	WAT	13
Vinyl chloride	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:53	WAT	13
Bromomethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:53	WAT	13
Chloroethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:53	WAT	14
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:53	WAT	9.9
1,1-Dichloroethene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:53	WAT	14
Methylene chloride	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:53	WAT	14
trans-1,2-Dichloroethene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:53	WAT	11
1,1-Dichloroethane	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:53	WAT	11
cis-1,2-Dichloroethene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:53	WAT	10
Tetrahydrofuran	180	ug/kg	1,000	SW8260B/5035	04/25/14 16:53	WAT	110
Chloroform	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:53	WAT	9.9
Bromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:53	WAT	14
1,1,1-Trichloroethane	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:53	WAT	8.1
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	SW8260B/5035	04/25/14 16:53	WAT	27
2-Hexanone	Not detected	ug/kg	3,000	SW8260B/5035	04/25/14 16:53	WAT	16
Carbon tetrachloride	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:53	WAT	9.2

b-Value detected less than reporting limit, but greater than MDL

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S60798.07 (continued)

Sample Tag: SB130 - 4'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
Benzene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:53	WAT	12	
1,2-Dichloroethane	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:53	WAT	14	
Trichloroethene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:53	WAT	12	
1,2-Dichloropropane	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:53	WAT	8.2	
Bromodichloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:53	WAT	9.4	
Dibromomethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:53	WAT	9.8	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:53	WAT	9.2	
Toluene	31	ug/kg	100	SW8260B/5035	04/25/14 16:53	WAT	11	J
trans-1,3-Dichloropropene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:53	WAT	8.1	
1,1,2-Trichloroethane	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:53	WAT	12	
Tetrachloroethene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:53	WAT	11	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:53	WAT	23	
Dibromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:53	WAT	7.7	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260B/5035	04/25/14 16:53	WAT	7.9	M
Chlorobenzene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:53	WAT	10	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:53	WAT	7.8	
Ethylbenzene	15	ug/kg	60	SW8260B/5035	04/25/14 16:53	WAT	12	J
p,m-Xylene	46	ug/kg	100	SW8260B/5035	04/25/14 16:53	WAT	23	J
o-Xylene	46	ug/kg	60	SW8260B/5035	04/25/14 16:53	WAT	12	J
Styrene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:53	WAT	12	
Isopropylbenzene	13	ug/kg	300	SW8260B/5035	04/25/14 16:53	WAT	11	J
Bromoform	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:53	WAT	13	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:53	WAT	9.2	
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:53	WAT	22	
n-Propylbenzene	16	ug/kg	100	SW8260B/5035	04/25/14 16:53	WAT	11	J
Bromobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:53	WAT	12	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:53	WAT	11	
tert-Butylbenzene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:53	WAT	13	
1,2,4-Trimethylbenzene	24	ug/kg	100	SW8260B/5035	04/25/14 16:53	WAT	13	J
sec-Butylbenzene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:53	WAT	13	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:53	WAT	13	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:53	WAT	13	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:53	WAT	11	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 16:53	WAT	14	
1,2,3-Trimethylbenzene	13.4	ug/kg	100	SW8260B/5035	04/25/14 16:53	WAT	8.5	J
n-Butylbenzene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 16:53	WAT	5.2	
Hexachloroethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 16:53	WAT	8.3	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 16:53	WAT	14	
1,2,4-Trichlorobenzene	Not detected	ug/kg	420	SW8260B/5035	04/25/14 16:53	WAT	8.4	
1,2,3-Trichlorobenzene	Not detected	ug/kg	420	SW8260B/5035	04/25/14 16:53	WAT	9.6	
Naphthalene	51.5	ug/kg	420	SW8260B/5035	04/25/14 16:53	WAT	8.5	J
2-Methylnaphthalene	54.1	ug/kg	420	SW8260B/5035	04/25/14 16:53	WAT	9.9	J

J-Estimated value less than reporting limit, but greater than MDL

M-Result reported to MDL not RDL



# Analytical Laboratory Report

Lab Sample ID: S60798.08

Sample Tag: SB131 - 4'

Collected Date/Time: 04/22/2014 00:01

Matrix: Soil

COC Reference: 73372

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3050B	05/05/14 12:30	CCM
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## Inorganics

Total Solids	88	%	1	Std M 2540 B	04/27/14 17:50	ASB	1
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## Metals

Arsenic	1.63	mg/kg	0.10	SW6020A	05/05/14 15:44	CCM	0.0072
Chromium	1.64	mg/kg	0.50	SW6020A	05/05/14 15:44	CCM	0.012
Copper	8.5	mg/kg	1.0	SW6020A	05/05/14 15:44	CCM	0.014
Lead	36.4	mg/kg	0.30	SW6020A	05/05/14 15:44	CCM	0.015
Selenium	Not detected	mg/kg	0.40	SW6020A	05/05/14 15:44	CCM	0.015
Zinc	16.8	mg/kg	1.0	SW6020A	05/05/14 15:44	CCM	0.16

## Organics - Volatiles

### Volatile Organics 5035

Diethyl ether	Not detected	ug/kg	200	SW8260B/5035	04/25/14 17:13	WAT	20	
Acetone	Not detected	ug/kg	1,000	SW8260B/5035	04/25/14 17:13	WAT	420	
Methyl iodide	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:13	WAT	6.6	
Carbon disulfide	Not detected	ug/kg	300	SW8260B/5035	04/25/14 17:13	WAT	8.5	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	200	SW8260B/5035	04/25/14 17:13	WAT	11	
Acrylonitrile	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:13	WAT	46	
2-Butanone (MEK)	79	ug/kg	930	SW8260B/5035	04/25/14 17:13	WAT	31	JB
Dichlorodifluoromethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 17:13	WAT	14	
Chloromethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 17:13	WAT	12	
Vinyl chloride	Not detected	ug/kg	60	SW8260B/5035	04/25/14 17:13	WAT	12	
Bromomethane	Not detected	ug/kg	200	SW8260B/5035	04/25/14 17:13	WAT	13	
Chloroethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 17:13	WAT	13	
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:13	WAT	9.7	
1,1-Dichloroethene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 17:13	WAT	13	
Methylene chloride	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:13	WAT	13	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 17:13	WAT	10	
1,1-Dichloroethane	Not detected	ug/kg	60	SW8260B/5035	04/25/14 17:13	WAT	11	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 17:13	WAT	9.8	
Tetrahydrofuran	150	ug/kg	1,000	SW8260B/5035	04/25/14 17:13	WAT	100	JB
Chloroform	Not detected	ug/kg	60	SW8260B/5035	04/25/14 17:13	WAT	9.6	
Bromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:13	WAT	13	
1,1,1-Trichloroethane	Not detected	ug/kg	60	SW8260B/5035	04/25/14 17:13	WAT	7.9	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	SW8260B/5035	04/25/14 17:13	WAT	27	
2-Hexanone	Not detected	ug/kg	3,000	SW8260B/5035	04/25/14 17:13	WAT	16	
Carbon tetrachloride	Not detected	ug/kg	60	SW8260B/5035	04/25/14 17:13	WAT	9.0	
Benzene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 17:13	WAT	11	

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S60798.08 (continued)

Sample Tag: SB131 - 4'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
1,2-Dichloroethane	Not detected	ug/kg	60	SW8260B/5035	04/25/14 17:13	WAT	14	
Trichloroethene	28	ug/kg	60	SW8260B/5035	04/25/14 17:13	WAT	12	J
1,2-Dichloropropane	Not detected	ug/kg	60	SW8260B/5035	04/25/14 17:13	WAT	8.0	
Bromodichloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:13	WAT	9.2	
Dibromomethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 17:13	WAT	9.5	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 17:13	WAT	9.0	
Toluene	45	ug/kg	100	SW8260B/5035	04/25/14 17:13	WAT	10	J
trans-1,3-Dichloropropene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 17:13	WAT	7.9	
1,1,2-Trichloroethane	Not detected	ug/kg	60	SW8260B/5035	04/25/14 17:13	WAT	11	
Tetrachloroethene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 17:13	WAT	11	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 17:13	WAT	23	
Dibromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:13	WAT	7.5	
1,2-Dibromoethane	Not detected	ug/kg	20	SW8260B/5035	04/25/14 17:13	WAT	7.7	M
Chlorobenzene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 17:13	WAT	10	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:13	WAT	7.6	
Ethylbenzene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 17:13	WAT	12	
p,m-Xylene	54	ug/kg	100	SW8260B/5035	04/25/14 17:13	WAT	22	J
o-Xylene	37	ug/kg	60	SW8260B/5035	04/25/14 17:13	WAT	11	J
Styrene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 17:13	WAT	12	
Isopropylbenzene	Not detected	ug/kg	300	SW8260B/5035	04/25/14 17:13	WAT	11	
Bromoform	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:13	WAT	12	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	SW8260B/5035	04/25/14 17:13	WAT	8.9	
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:13	WAT	22	
n-Propylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:13	WAT	11	
Bromobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:13	WAT	12	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:13	WAT	11	
tert-Butylbenzene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 17:13	WAT	13	
1,2,4-Trimethylbenzene	22	ug/kg	100	SW8260B/5035	04/25/14 17:13	WAT	12	J
sec-Butylbenzene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 17:13	WAT	13	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:13	WAT	12	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:13	WAT	12	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:13	WAT	11	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:13	WAT	13	
1,2,3-Trimethylbenzene	11.8	ug/kg	100	SW8260B/5035	04/25/14 17:13	WAT	8.2	J
n-Butylbenzene	Not detected	ug/kg	60	SW8260B/5035	04/25/14 17:13	WAT	5.0	
Hexachloroethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 17:13	WAT	8.0	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 17:13	WAT	13	
1,2,4-Trichlorobenzene	Not detected	ug/kg	410	SW8260B/5035	04/25/14 17:13	WAT	8.2	
1,2,3-Trichlorobenzene	Not detected	ug/kg	410	SW8260B/5035	04/25/14 17:13	WAT	9.3	
Naphthalene	100.3	ug/kg	410	SW8260B/5035	04/25/14 17:13	WAT	8.3	J
2-Methylnaphthalene	71.8	ug/kg	410	SW8260B/5035	04/25/14 17:13	WAT	9.7	J

J-Estimated value less than reporting limit, but greater than MDL

M-Result reported to MDL not RDL



# Analytical Laboratory Report

Lab Sample ID: S60798.09

Sample Tag: SB124 - 10'

Collected Date/Time: 04/21/2014 00:01

Matrix: Soil

COC Reference: 73372

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3050B	05/05/14 12:30	CCM
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## Inorganics

Total Solids	81	%	1	Std M 2540 B	04/27/14 17:50	ASB	1
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## Metals

Arsenic	1.10	mg/kg	0.10	SW6020A	05/05/14 15:47	CCM	0.0079
Chromium	1.46	mg/kg	0.50	SW6020A	05/05/14 15:47	CCM	0.013
Copper	2.3	mg/kg	1.0	SW6020A	05/05/14 15:47	CCM	0.016
Lead	3.12	mg/kg	0.30	SW6020A	05/05/14 15:47	CCM	0.016
Selenium	Not detected	mg/kg	0.40	SW6020A	05/05/14 15:47	CCM	0.016
Zinc	5.1	mg/kg	1.0	SW6020A	05/05/14 15:47	CCM	0.17

## Organics - Volatiles

### Volatile Organics 5035

Diethyl ether	Not detected	ug/kg	300	SW8260B/5035	04/25/14 17:34	WAT	23
Acetone	Not detected	ug/kg	1,000	SW8260B/5035	04/25/14 17:34	WAT	500
Methyl iodide	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:34	WAT	7.9
Carbon disulfide	Not detected	ug/kg	400	SW8260B/5035	04/25/14 17:34	WAT	10
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260B/5035	04/25/14 17:34	WAT	13
Acrylonitrile	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:34	WAT	55
2-Butanone (MEK)	71	ug/kg	1,100	SW8260B/5035	04/25/14 17:34	WAT	36
Dichlorodifluoromethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 17:34	WAT	17
Chloromethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 17:34	WAT	15
Vinyl chloride	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:34	WAT	15
Bromomethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 17:34	WAT	16
Chloroethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 17:34	WAT	16
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:34	WAT	11
1,1-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:34	WAT	16
Methylene chloride	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:34	WAT	16
trans-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:34	WAT	12
1,1-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:34	WAT	13
cis-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:34	WAT	12
Tetrahydrofuran	190	ug/kg	1,000	SW8260B/5035	04/25/14 17:34	WAT	120
Chloroform	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:34	WAT	11
Bromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:34	WAT	16
1,1,1-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:34	WAT	9.4
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	SW8260B/5035	04/25/14 17:34	WAT	32
2-Hexanone	Not detected	ug/kg	4,000	SW8260B/5035	04/25/14 17:34	WAT	18
Carbon tetrachloride	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:34	WAT	11
Benzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:34	WAT	14

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S60798.09 (continued)

Sample Tag: SB124 - 10'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
1,2-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:34	WAT	17	
Trichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:34	WAT	14	
1,2-Dichloropropane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:34	WAT	9.5	
Bromodichloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:34	WAT	11	
Dibromomethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 17:34	WAT	11	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:34	WAT	11	
Toluene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:34	WAT	12	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:34	WAT	9.4	
1,1,2-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:34	WAT	13	
Tetrachloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:34	WAT	13	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:34	WAT	27	
Dibromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:34	WAT	8.9	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260B/5035	04/25/14 17:34	WAT	9.1	M
Chlorobenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:34	WAT	12	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:34	WAT	9.0	
Ethylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:34	WAT	14	
p,m-Xylene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:34	WAT	27	
o-Xylene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:34	WAT	13	
Styrene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:34	WAT	14	
Isopropylbenzene	Not detected	ug/kg	400	SW8260B/5035	04/25/14 17:34	WAT	13	
Bromoform	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:34	WAT	15	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:34	WAT	11	
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:34	WAT	26	
n-Propylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:34	WAT	13	
Bromobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:34	WAT	14	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:34	WAT	13	
tert-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:34	WAT	15	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:34	WAT	15	
sec-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:34	WAT	15	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:34	WAT	15	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:34	WAT	15	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:34	WAT	13	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:34	WAT	16	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:34	WAT	9.8	
n-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:34	WAT	6.0	
Hexachloroethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 17:34	WAT	9.6	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 17:34	WAT	16	
1,2,4-Trichlorobenzene	Not detected	ug/kg	490	SW8260B/5035	04/25/14 17:34	WAT	9.7	
1,2,3-Trichlorobenzene	Not detected	ug/kg	490	SW8260B/5035	04/25/14 17:34	WAT	11	
Naphthalene	Not detected	ug/kg	490	SW8260B/5035	04/25/14 17:34	WAT	9.9	
2-Methylnaphthalene	Not detected	ug/kg	490	SW8260B/5035	04/25/14 17:34	WAT	11	

M-Result reported to MDL not RDL



# Analytical Laboratory Report

Lab Sample ID: S60798.10

Sample Tag: SB125 - 13'

Collected Date/Time: 04/21/2014 00:01

Matrix: Soil

COC Reference: 73372

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3050B	05/05/14 12:30	CCM
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## Inorganics

Total Solids	80	%	1	Std M 2540 B	04/27/14 17:50	ASB	1
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## Metals

Arsenic	1.44	mg/kg	0.10	SW6020A	05/05/14 15:50	CCM	0.0077
Chromium	3.26	mg/kg	0.50	SW6020A	05/05/14 15:50	CCM	0.012
Copper	6.1	mg/kg	1.0	SW6020A	05/05/14 15:50	CCM	0.015
Lead	5.10	mg/kg	0.30	SW6020A	05/05/14 15:50	CCM	0.016
Selenium	Not detected	mg/kg	0.40	SW6020A	05/05/14 15:50	CCM	0.016
Zinc	12.2	mg/kg	1.0	SW6020A	05/05/14 15:50	CCM	0.17

## Organics - Volatiles

### Volatile Organics 5035

Diethyl ether	Not detected	ug/kg	300	SW8260B/5035	04/29/14 14:56	WAT	24	
Acetone	Not detected	ug/kg	2,000	SW8260B/5035	04/29/14 14:56	WAT	510	
Methyl iodide	Not detected	ug/kg	200	SW8260B/5035	04/29/14 14:56	WAT	8.1	
Carbon disulfide	Not detected	ug/kg	400	SW8260B/5035	04/29/14 14:56	WAT	10	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260B/5035	04/29/14 14:56	WAT	14	
Acrylonitrile	Not detected	ug/kg	200	SW8260B/5035	04/29/14 14:56	WAT	56	
2-Butanone (MEK)	165	ug/kg	1,100	SW8260B/5035	04/29/14 14:56	WAT	37	JB
Dichlorodifluoromethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 14:56	WAT	17	
Chloromethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 14:56	WAT	15	
Vinyl chloride	Not detected	ug/kg	80	SW8260B/5035	04/29/14 14:56	WAT	15	
Bromomethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 14:56	WAT	16	
Chloroethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 14:56	WAT	16	
Trichlorofluoromethane	Not detected	ug/kg	200	SW8260B/5035	04/29/14 14:56	WAT	12	
1,1-Dichloroethene	Not detected	ug/kg	80	SW8260B/5035	04/29/14 14:56	WAT	16	
Methylene chloride	Not detected	ug/kg	200	SW8260B/5035	04/29/14 14:56	WAT	16	
trans-1,2-Dichloroethene	Not detected	ug/kg	80	SW8260B/5035	04/29/14 14:56	WAT	13	
1,1-Dichloroethane	Not detected	ug/kg	80	SW8260B/5035	04/29/14 14:56	WAT	13	
cis-1,2-Dichloroethene	Not detected	ug/kg	80	SW8260B/5035	04/29/14 14:56	WAT	12	
Tetrahydrofuran	180	ug/kg	2,000	SW8260B/5035	04/29/14 14:56	WAT	120	JB
Chloroform	Not detected	ug/kg	80	SW8260B/5035	04/29/14 14:56	WAT	12	
Bromochloromethane	Not detected	ug/kg	200	SW8260B/5035	04/29/14 14:56	WAT	16	
1,1,1-Trichloroethane	Not detected	ug/kg	80	SW8260B/5035	04/29/14 14:56	WAT	9.6	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	SW8260B/5035	04/29/14 14:56	WAT	33	
2-Hexanone	Not detected	ug/kg	4,000	SW8260B/5035	04/29/14 14:56	WAT	19	
Carbon tetrachloride	Not detected	ug/kg	80	SW8260B/5035	04/29/14 14:56	WAT	11	
Benzene	Not detected	ug/kg	80	SW8260B/5035	04/29/14 14:56	WAT	14	

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S60798.10 (continued)

Sample Tag: SB125 - 13'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
1,2-Dichloroethane	Not detected	ug/kg	80	SW8260B/5035	04/29/14 14:56	WAT	17	
Trichloroethene	Not detected	ug/kg	80	SW8260B/5035	04/29/14 14:56	WAT	14	
1,2-Dichloropropane	Not detected	ug/kg	80	SW8260B/5035	04/29/14 14:56	WAT	9.7	
Bromodichloromethane	Not detected	ug/kg	200	SW8260B/5035	04/29/14 14:56	WAT	11	
Dibromomethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 14:56	WAT	12	
cis-1,3-Dichloropropene	Not detected	ug/kg	80	SW8260B/5035	04/29/14 14:56	WAT	11	
Toluene	Not detected	ug/kg	200	SW8260B/5035	04/29/14 14:56	WAT	13	
trans-1,3-Dichloropropene	Not detected	ug/kg	80	SW8260B/5035	04/29/14 14:56	WAT	9.6	
1,1,2-Trichloroethane	Not detected	ug/kg	80	SW8260B/5035	04/29/14 14:56	WAT	14	
Tetrachloroethene	Not detected	ug/kg	80	SW8260B/5035	04/29/14 14:56	WAT	14	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	80	SW8260B/5035	04/29/14 14:56	WAT	28	
Dibromochloromethane	Not detected	ug/kg	200	SW8260B/5035	04/29/14 14:56	WAT	9.1	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260B/5035	04/29/14 14:56	WAT	9.3	M
Chlorobenzene	Not detected	ug/kg	80	SW8260B/5035	04/29/14 14:56	WAT	12	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	200	SW8260B/5035	04/29/14 14:56	WAT	9.2	
Ethylbenzene	Not detected	ug/kg	80	SW8260B/5035	04/29/14 14:56	WAT	14	
p,m-Xylene	Not detected	ug/kg	200	SW8260B/5035	04/29/14 14:56	WAT	27	
o-Xylene	Not detected	ug/kg	80	SW8260B/5035	04/29/14 14:56	WAT	14	
Styrene	Not detected	ug/kg	80	SW8260B/5035	04/29/14 14:56	WAT	14	
Isopropylbenzene	Not detected	ug/kg	400	SW8260B/5035	04/29/14 14:56	WAT	13	
Bromoform	Not detected	ug/kg	200	SW8260B/5035	04/29/14 14:56	WAT	15	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	80	SW8260B/5035	04/29/14 14:56	WAT	11	
1,2,3-Trichloropropane	Not detected	ug/kg	200	SW8260B/5035	04/29/14 14:56	WAT	27	
n-Propylbenzene	Not detected	ug/kg	200	SW8260B/5035	04/29/14 14:56	WAT	13	
Bromobenzene	Not detected	ug/kg	200	SW8260B/5035	04/29/14 14:56	WAT	14	
1,3,5-Trimethylbenzene	Not detected	ug/kg	200	SW8260B/5035	04/29/14 14:56	WAT	13	
tert-Butylbenzene	Not detected	ug/kg	80	SW8260B/5035	04/29/14 14:56	WAT	16	
1,2,4-Trimethylbenzene	Not detected	ug/kg	200	SW8260B/5035	04/29/14 14:56	WAT	15	
sec-Butylbenzene	Not detected	ug/kg	80	SW8260B/5035	04/29/14 14:56	WAT	15	
p-Isopropyltoluene	Not detected	ug/kg	200	SW8260B/5035	04/29/14 14:56	WAT	15	
1,3-Dichlorobenzene	Not detected	ug/kg	200	SW8260B/5035	04/29/14 14:56	WAT	15	
1,4-Dichlorobenzene	Not detected	ug/kg	200	SW8260B/5035	04/29/14 14:56	WAT	13	
1,2-Dichlorobenzene	Not detected	ug/kg	200	SW8260B/5035	04/29/14 14:56	WAT	16	
1,2,3-Trimethylbenzene	Not detected	ug/kg	200	SW8260B/5035	04/29/14 14:56	WAT	10	
n-Butylbenzene	Not detected	ug/kg	80	SW8260B/5035	04/29/14 14:56	WAT	6.1	
Hexachloroethane	Not detected	ug/kg	500	SW8260B/5035	04/29/14 14:56	WAT	9.8	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 14:56	WAT	16	
1,2,4-Trichlorobenzene	Not detected	ug/kg	500	SW8260B/5035	04/29/14 14:56	WAT	9.9	
1,2,3-Trichlorobenzene	Not detected	ug/kg	500	SW8260B/5035	04/29/14 14:56	WAT	11	
Naphthalene	17	ug/kg	500	SW8260B/5035	04/29/14 14:56	WAT	10	J
2-Methylnaphthalene	39	ug/kg	500	SW8260B/5035	04/29/14 14:56	WAT	12	J

M-Result reported to MDL not RDL

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60798.11

Sample Tag: SB126 - 11'

Collected Date/Time: 04/21/2014 00:01

Matrix: Soil

COC Reference: 73372

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3050B	05/05/14 12:30	CCM
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## Inorganics

Total Solids	83	%	1	Std M 2540 B	04/27/14 17:50	ASB	1
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## Metals

Arsenic	1.25	mg/kg	0.10	SW6020A	05/05/14 16:32	CCM	0.0074
Chromium	2.92	mg/kg	0.50	SW6020A	05/05/14 16:32	CCM	0.012
Copper	3.1	mg/kg	1.0	SW6020A	05/05/14 16:32	CCM	0.015
Lead	3.79	mg/kg	0.30	SW6020A	05/05/14 16:32	CCM	0.015
Selenium	Not detected	mg/kg	0.40	SW6020A	05/05/14 16:32	CCM	0.015
Zinc	8.6	mg/kg	1.0	SW6020A	05/05/14 16:32	CCM	0.16

## Organics - Volatiles

### Volatile Organics 5035

Diethyl ether	Not detected	ug/kg	300	SW8260B/5035	04/29/14 15:17	WAT	22
Acetone	Not detected	ug/kg	1,000	SW8260B/5035	04/29/14 15:17	WAT	480
Methyl iodide	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:17	WAT	7.6
Carbon disulfide	Not detected	ug/kg	400	SW8260B/5035	04/29/14 15:17	WAT	9.8
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260B/5035	04/29/14 15:17	WAT	13
Acrylonitrile	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:17	WAT	53
2-Butanone (MEK)	150	ug/kg	1,100	SW8260B/5035	04/29/14 15:17	WAT	35
Dichlorodifluoromethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 15:17	WAT	16
Chloromethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 15:17	WAT	14
Vinyl chloride	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:17	WAT	14
Bromomethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 15:17	WAT	15
Chloroethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 15:17	WAT	15
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:17	WAT	11
1,1-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:17	WAT	15
Methylene chloride	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:17	WAT	15
trans-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:17	WAT	12
1,1-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:17	WAT	12
cis-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:17	WAT	11
Tetrahydrofuran	190	ug/kg	1,000	SW8260B/5035	04/29/14 15:17	WAT	120
Chloroform	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:17	WAT	11
Bromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:17	WAT	15
1,1,1-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:17	WAT	9.1
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	SW8260B/5035	04/29/14 15:17	WAT	31
2-Hexanone	Not detected	ug/kg	4,000	SW8260B/5035	04/29/14 15:17	WAT	18
Carbon tetrachloride	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:17	WAT	10
Benzene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:17	WAT	13

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S60798.11 (continued)

Sample Tag: SB126 - 11'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
1,2-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:17	WAT	16	
Trichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:17	WAT	13	
1,2-Dichloropropane	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:17	WAT	9.1	
Bromodichloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:17	WAT	10	
Dibromomethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 15:17	WAT	11	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:17	WAT	10	
Toluene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:17	WAT	12	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:17	WAT	9.0	
1,1,2-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:17	WAT	13	
Tetrachloroethene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:17	WAT	13	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:17	WAT	26	
Dibromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:17	WAT	8.6	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260B/5035	04/29/14 15:17	WAT	8.8	M
Chlorobenzene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:17	WAT	11	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:17	WAT	8.6	
Ethylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:17	WAT	14	
p,m-Xylene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:17	WAT	26	
o-Xylene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:17	WAT	13	
Styrene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:17	WAT	14	
Isopropylbenzene	Not detected	ug/kg	400	SW8260B/5035	04/29/14 15:17	WAT	12	
Bromoform	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:17	WAT	14	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:17	WAT	10	
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:17	WAT	25	
n-Propylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:17	WAT	12	
Bromobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:17	WAT	13	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:17	WAT	12	
tert-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:17	WAT	15	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:17	WAT	14	
sec-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:17	WAT	14	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:17	WAT	14	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:17	WAT	14	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:17	WAT	12	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:17	WAT	15	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:17	WAT	9.4	
n-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:17	WAT	5.7	
Hexachloroethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 15:17	WAT	9.2	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 15:17	WAT	15	
1,2,4-Trichlorobenzene	Not detected	ug/kg	470	SW8260B/5035	04/29/14 15:17	WAT	9.4	
1,2,3-Trichlorobenzene	Not detected	ug/kg	470	SW8260B/5035	04/29/14 15:17	WAT	11	
Naphthalene	Not detected	ug/kg	470	SW8260B/5035	04/29/14 15:17	WAT	9.5	
2-Methylnaphthalene	19	ug/kg	470	SW8260B/5035	04/29/14 15:17	WAT	11	J

M-Result reported to MDL not RDL

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60798.12

Sample Tag: SB127 - 8'

Collected Date/Time: 04/21/2014 00:01

Matrix: Soil

COC Reference: 73372

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3050B	05/05/14 12:30	CCM
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## Inorganics

Total Solids	82	%	1	Std M 2540 B	04/27/14 17:50	ASB	1
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## Metals

Arsenic	1.63	mg/kg	0.10	SW6020A	05/05/14 16:35	CCM	0.0074
Chromium	2.56	mg/kg	0.50	SW6020A	05/05/14 16:35	CCM	0.012
Copper	3.0	mg/kg	1.0	SW6020A	05/05/14 16:35	CCM	0.015
Lead	5.74	mg/kg	0.30	SW6020A	05/05/14 16:35	CCM	0.015
Selenium	Not detected	mg/kg	0.40	SW6020A	05/05/14 16:35	CCM	0.015
Zinc	10.3	mg/kg	1.0	SW6020A	05/05/14 16:35	CCM	0.16

## Organics - Volatiles

### Volatile Organics 5035

Diethyl ether	Not detected	ug/kg	300	SW8260B/5035	04/25/14 17:54	WAT	23
Acetone	Not detected	ug/kg	1,000	SW8260B/5035	04/25/14 17:54	WAT	500
Methyl iodide	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:54	WAT	7.9
Carbon disulfide	Not detected	ug/kg	400	SW8260B/5035	04/25/14 17:54	WAT	10
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260B/5035	04/25/14 17:54	WAT	14
Acrylonitrile	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:54	WAT	55
2-Butanone (MEK)	66	ug/kg	1,100	SW8260B/5035	04/25/14 17:54	WAT	37
Dichlorodifluoromethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 17:54	WAT	17
Chloromethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 17:54	WAT	15
Vinyl chloride	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:54	WAT	15
Bromomethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 17:54	WAT	16
Chloroethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 17:54	WAT	16
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:54	WAT	12
1,1-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:54	WAT	16
Methylene chloride	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:54	WAT	16
trans-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:54	WAT	12
1,1-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:54	WAT	13
cis-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:54	WAT	12
Tetrahydrofuran	190	ug/kg	1,000	SW8260B/5035	04/25/14 17:54	WAT	120
Chloroform	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:54	WAT	11
Bromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:54	WAT	16
1,1,1-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:54	WAT	9.5
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	SW8260B/5035	04/25/14 17:54	WAT	32
2-Hexanone	Not detected	ug/kg	4,000	SW8260B/5035	04/25/14 17:54	WAT	19
Carbon tetrachloride	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:54	WAT	11
Benzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:54	WAT	14

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S60798.12 (continued)

Sample Tag: SB127 - 8'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
1,2-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:54	WAT	17	
Trichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:54	WAT	14	
1,2-Dichloropropane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:54	WAT	9.5	
Bromodichloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:54	WAT	11	
Dibromomethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 17:54	WAT	11	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:54	WAT	11	
Toluene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:54	WAT	12	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:54	WAT	9.4	
1,1,2-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:54	WAT	14	
Tetrachloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:54	WAT	13	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:54	WAT	27	
Dibromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:54	WAT	8.9	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260B/5035	04/25/14 17:54	WAT	9.2	M
Chlorobenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:54	WAT	12	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:54	WAT	9.0	
Ethylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:54	WAT	14	
p,m-Xylene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:54	WAT	27	
o-Xylene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:54	WAT	13	
Styrene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:54	WAT	14	
Isopropylbenzene	Not detected	ug/kg	400	SW8260B/5035	04/25/14 17:54	WAT	13	
Bromoform	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:54	WAT	15	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:54	WAT	11	
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:54	WAT	26	
n-Propylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:54	WAT	13	
Bromobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:54	WAT	14	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:54	WAT	13	
tert-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:54	WAT	15	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:54	WAT	15	
sec-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:54	WAT	15	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:54	WAT	15	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:54	WAT	15	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:54	WAT	13	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:54	WAT	16	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 17:54	WAT	9.8	
n-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 17:54	WAT	6.0	
Hexachloroethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 17:54	WAT	9.6	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 17:54	WAT	16	
1,2,4-Trichlorobenzene	Not detected	ug/kg	490	SW8260B/5035	04/25/14 17:54	WAT	9.8	
1,2,3-Trichlorobenzene	Not detected	ug/kg	490	SW8260B/5035	04/25/14 17:54	WAT	11	
Naphthalene	Not detected	ug/kg	490	SW8260B/5035	04/25/14 17:54	WAT	9.9	
2-Methylnaphthalene	Not detected	ug/kg	490	SW8260B/5035	04/25/14 17:54	WAT	12	

M-Result reported to MDL not RDL



# Analytical Laboratory Report

Lab Sample ID: S60798.13

Sample Tag: SB128 - 7'

Collected Date/Time: 04/21/2014 00:01

Matrix: Soil

COC Reference: 73373

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3050B	05/05/14 12:30	CCM
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## Inorganics

Total Solids	89	%	1	Std M 2540 B	04/27/14 17:50	ASB	1
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## Metals

Arsenic	1.55	mg/kg	0.10	SW6020A	05/05/14 16:38	CCM	0.0069
Chromium	2.86	mg/kg	0.50	SW6020A	05/05/14 16:38	CCM	0.011
Copper	5.6	mg/kg	1.0	SW6020A	05/05/14 16:38	CCM	0.014
Lead	11.4	mg/kg	0.30	SW6020A	05/05/14 16:38	CCM	0.014
Selenium	Not detected	mg/kg	0.40	SW6020A	05/05/14 16:38	CCM	0.014
Zinc	13.2	mg/kg	1.0	SW6020A	05/05/14 16:38	CCM	0.15

## Organics - Volatiles

### Volatile Organics 5035

Diethyl ether	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:59	WAT	20	
Acetone	Not detected	ug/kg	1,000	SW8260B/5035	04/29/14 17:59	WAT	440	
Methyl iodide	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:59	WAT	6.9	
Carbon disulfide	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:59	WAT	8.9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:59	WAT	12	
Acrylonitrile	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:59	WAT	48	
2-Butanone (MEK)	123	ug/kg	970	SW8260B/5035	04/29/14 17:59	WAT	32	JB
Dichlorodifluoromethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:59	WAT	14	
Chloromethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:59	WAT	13	
Vinyl chloride	Not detected	ug/kg	60	SW8260B/5035	04/29/14 17:59	WAT	13	
Bromomethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:59	WAT	14	
Chloroethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:59	WAT	14	
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:59	WAT	10	
1,1-Dichloroethene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 17:59	WAT	14	
Methylene chloride	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:59	WAT	14	
trans-1,2-Dichloroethene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 17:59	WAT	11	
1,1-Dichloroethane	Not detected	ug/kg	60	SW8260B/5035	04/29/14 17:59	WAT	11	
cis-1,2-Dichloroethene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 17:59	WAT	10	
Tetrahydrofuran	150	ug/kg	1,000	SW8260B/5035	04/29/14 17:59	WAT	110	JB
Chloroform	Not detected	ug/kg	60	SW8260B/5035	04/29/14 17:59	WAT	10.0	
Bromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:59	WAT	14	
1,1,1-Trichloroethane	Not detected	ug/kg	60	SW8260B/5035	04/29/14 17:59	WAT	8.3	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	SW8260B/5035	04/29/14 17:59	WAT	28	
2-Hexanone	Not detected	ug/kg	3,000	SW8260B/5035	04/29/14 17:59	WAT	16	
Carbon tetrachloride	Not detected	ug/kg	60	SW8260B/5035	04/29/14 17:59	WAT	9.4	
Benzene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 17:59	WAT	12	

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S60798.13 (continued)

Sample Tag: SB128 - 7'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
1,2-Dichloroethane	Not detected	ug/kg	60	SW8260B/5035	04/29/14 17:59	WAT	15	
Trichloroethene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 17:59	WAT	12	
1,2-Dichloropropane	Not detected	ug/kg	60	SW8260B/5035	04/29/14 17:59	WAT	8.3	
Bromodichloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:59	WAT	9.5	
Dibromomethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:59	WAT	9.9	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 17:59	WAT	9.4	
Toluene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:59	WAT	11	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 17:59	WAT	8.2	
1,1,2-Trichloroethane	Not detected	ug/kg	60	SW8260B/5035	04/29/14 17:59	WAT	12	
Tetrachloroethene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 17:59	WAT	12	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 17:59	WAT	24	
Dibromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:59	WAT	7.8	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260B/5035	04/29/14 17:59	WAT	8.0	M
Chlorobenzene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 17:59	WAT	10	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:59	WAT	7.9	
Ethylbenzene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 17:59	WAT	12	
p,m-Xylene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:59	WAT	23	
o-Xylene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 17:59	WAT	12	
Styrene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 17:59	WAT	12	
Isopropylbenzene	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:59	WAT	11	
Bromoform	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:59	WAT	13	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	SW8260B/5035	04/29/14 17:59	WAT	9.3	
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:59	WAT	23	
n-Propylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:59	WAT	11	
Bromobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:59	WAT	12	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:59	WAT	11	
tert-Butylbenzene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 17:59	WAT	13	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:59	WAT	13	
sec-Butylbenzene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 17:59	WAT	13	
p-Isopropyltoluene	16	ug/kg	100	SW8260B/5035	04/29/14 17:59	WAT	13	J
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:59	WAT	13	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:59	WAT	11	
1,2-Dichlorobenzene	21	ug/kg	100	SW8260B/5035	04/29/14 17:59	WAT	14	J
1,2,3-Trimethylbenzene	13.5	ug/kg	100	SW8260B/5035	04/29/14 17:59	WAT	8.6	J
n-Butylbenzene	11.6	ug/kg	60	SW8260B/5035	04/29/14 17:59	WAT	5.2	J
Hexachloroethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 17:59	WAT	8.4	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:59	WAT	14	
1,2,4-Trichlorobenzene	Not detected	ug/kg	430	SW8260B/5035	04/29/14 17:59	WAT	8.5	
1,2,3-Trichlorobenzene	Not detected	ug/kg	430	SW8260B/5035	04/29/14 17:59	WAT	9.7	
Naphthalene	345.7	ug/kg	430	SW8260B/5035	04/29/14 17:59	WAT	8.6	
2-Methylnaphthalene	820	ug/kg	430	SW8260B/5035	04/29/14 17:59	WAT	10	

M-Result reported to MDL not RDL

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60798.14

Sample Tag: SB129 - 8'

Collected Date/Time: 04/22/2014 00:01

Matrix: Soil

COC Reference: 73373

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3050B	05/05/14 12:30	CCM
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## Inorganics

Total Solids	82	%	1	Std M 2540 B	04/27/14 17:50	ASB	1
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## Metals

Arsenic	1.74	mg/kg	0.10	SW6020A	05/05/14 16:41	CCM	0.0075
Chromium	4.08	mg/kg	0.50	SW6020A	05/05/14 16:41	CCM	0.012
Copper	3.6	mg/kg	1.0	SW6020A	05/05/14 16:41	CCM	0.015
Lead	6.10	mg/kg	0.30	SW6020A	05/05/14 16:41	CCM	0.016
Selenium	Not detected	mg/kg	0.40	SW6020A	05/05/14 16:41	CCM	0.015
Zinc	13.1	mg/kg	1.0	SW6020A	05/05/14 16:41	CCM	0.16

## Organics - Volatiles

### Volatile Organics 5035

Diethyl ether	Not detected	ug/kg	300	SW8260B/5035	04/25/14 18:15	WAT	22
Acetone	Not detected	ug/kg	1,000	SW8260B/5035	04/25/14 18:15	WAT	470
Methyl iodide	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:15	WAT	7.4
Carbon disulfide	Not detected	ug/kg	300	SW8260B/5035	04/25/14 18:15	WAT	9.6
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260B/5035	04/25/14 18:15	WAT	13
Acrylonitrile	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:15	WAT	52
2-Butanone (MEK)	53	ug/kg	1,000	SW8260B/5035	04/25/14 18:15	WAT	34
Dichlorodifluoromethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 18:15	WAT	16
Chloromethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 18:15	WAT	14
Vinyl chloride	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:15	WAT	14
Bromomethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 18:15	WAT	15
Chloroethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 18:15	WAT	15
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:15	WAT	11
1,1-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:15	WAT	15
Methylene chloride	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:15	WAT	15
trans-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:15	WAT	12
1,1-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:15	WAT	12
cis-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:15	WAT	11
Tetrahydrofuran	180	ug/kg	1,000	SW8260B/5035	04/25/14 18:15	WAT	120
Chloroform	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:15	WAT	11
Bromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:15	WAT	15
1,1,1-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:15	WAT	8.9
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	SW8260B/5035	04/25/14 18:15	WAT	30
2-Hexanone	Not detected	ug/kg	3,000	SW8260B/5035	04/25/14 18:15	WAT	17
Carbon tetrachloride	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:15	WAT	10
Benzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:15	WAT	13

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S60798.14 (continued)

Sample Tag: SB129 - 8'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
1,2-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:15	WAT	16	
Trichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:15	WAT	13	
1,2-Dichloropropane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:15	WAT	9.0	
Bromodichloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:15	WAT	10	
Dibromomethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 18:15	WAT	11	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:15	WAT	10	
Toluene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:15	WAT	12	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:15	WAT	8.8	
1,1,2-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:15	WAT	13	
Tetrachloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:15	WAT	13	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:15	WAT	26	
Dibromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:15	WAT	8.4	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260B/5035	04/25/14 18:15	WAT	8.6	M
Chlorobenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:15	WAT	11	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:15	WAT	8.5	
Ethylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:15	WAT	13	
p,m-Xylene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:15	WAT	25	
o-Xylene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:15	WAT	13	
Styrene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:15	WAT	13	
Isopropylbenzene	Not detected	ug/kg	300	SW8260B/5035	04/25/14 18:15	WAT	12	
Bromoform	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:15	WAT	14	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:15	WAT	10	
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:15	WAT	24	
n-Propylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:15	WAT	12	
Bromobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:15	WAT	13	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:15	WAT	12	
tert-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:15	WAT	15	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:15	WAT	14	
sec-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:15	WAT	14	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:15	WAT	14	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:15	WAT	14	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:15	WAT	12	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:15	WAT	15	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:15	WAT	9.3	
n-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:15	WAT	5.6	
Hexachloroethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 18:15	WAT	9.0	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 18:15	WAT	15	
1,2,4-Trichlorobenzene	Not detected	ug/kg	460	SW8260B/5035	04/25/14 18:15	WAT	9.2	
1,2,3-Trichlorobenzene	Not detected	ug/kg	460	SW8260B/5035	04/25/14 18:15	WAT	11	
Naphthalene	12.5	ug/kg	460	SW8260B/5035	04/25/14 18:15	WAT	9.3	J
2-Methylnaphthalene	Not detected	ug/kg	460	SW8260B/5035	04/25/14 18:15	WAT	11	

M-Result reported to MDL not RDL

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60798.15

Sample Tag: SB130 - 10'

Collected Date/Time: 04/22/2014 00:01

Matrix: Soil

COC Reference: 73373

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3050B	05/05/14 12:30	CCM
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## Inorganics

Total Solids	82	%	1	Std M 2540 B	04/27/14 17:50	ASB	1
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## Metals

Arsenic	1.70	mg/kg	0.10	SW6020A	05/05/14 16:45	CCM	0.0078
Chromium	1.15	mg/kg	0.50	SW6020A	05/05/14 16:45	CCM	0.012
Copper	1.7	mg/kg	1.0	SW6020A	05/05/14 16:45	CCM	0.016
Lead	2.11	mg/kg	0.30	SW6020A	05/05/14 16:45	CCM	0.016
Selenium	Not detected	mg/kg	0.40	SW6020A	05/05/14 16:45	CCM	0.016
Zinc	5.8	mg/kg	1.0	SW6020A	05/05/14 16:45	CCM	0.17

## Organics - Volatiles

### Volatile Organics 5035

Diethyl ether	Not detected	ug/kg	300	SW8260B/5035	04/25/14 18:35	WAT	22
Acetone	Not detected	ug/kg	1,000	SW8260B/5035	04/25/14 18:35	WAT	480
Methyl iodide	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:35	WAT	7.5
Carbon disulfide	Not detected	ug/kg	400	SW8260B/5035	04/25/14 18:35	WAT	9.7
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260B/5035	04/25/14 18:35	WAT	13
Acrylonitrile	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:35	WAT	52
2-Butanone (MEK)	68	ug/kg	1,100	SW8260B/5035	04/25/14 18:35	WAT	35
Dichlorodifluoromethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 18:35	WAT	16
Chloromethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 18:35	WAT	14
Vinyl chloride	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:35	WAT	14
Bromomethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 18:35	WAT	15
Chloroethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 18:35	WAT	15
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:35	WAT	11
1,1-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:35	WAT	15
Methylene chloride	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:35	WAT	15
trans-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:35	WAT	12
1,1-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:35	WAT	12
cis-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:35	WAT	11
Tetrahydrofuran	170	ug/kg	1,000	SW8260B/5035	04/25/14 18:35	WAT	120
Chloroform	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:35	WAT	11
Bromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:35	WAT	15
1,1,1-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:35	WAT	9.0
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	SW8260B/5035	04/25/14 18:35	WAT	30
2-Hexanone	Not detected	ug/kg	4,000	SW8260B/5035	04/25/14 18:35	WAT	18
Carbon tetrachloride	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:35	WAT	10
Benzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:35	WAT	13

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S60798.15 (continued)

Sample Tag: SB130 - 10'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
1,2-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:35	WAT	16	
Trichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:35	WAT	13	
1,2-Dichloropropane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:35	WAT	9.1	
Bromodichloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:35	WAT	10	
Dibromomethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 18:35	WAT	11	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:35	WAT	10	
Toluene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:35	WAT	12	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:35	WAT	8.9	
1,1,2-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:35	WAT	13	
Tetrachloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:35	WAT	13	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:35	WAT	26	
Dibromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:35	WAT	8.5	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260B/5035	04/25/14 18:35	WAT	8.7	M
Chlorobenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:35	WAT	11	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:35	WAT	8.6	
Ethylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:35	WAT	13	
p,m-Xylene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:35	WAT	25	
o-Xylene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:35	WAT	13	
Styrene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:35	WAT	14	
Isopropylbenzene	Not detected	ug/kg	400	SW8260B/5035	04/25/14 18:35	WAT	12	
Bromoform	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:35	WAT	14	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:35	WAT	10	
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:35	WAT	25	
n-Propylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:35	WAT	12	
Bromobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:35	WAT	13	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:35	WAT	12	
tert-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:35	WAT	15	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:35	WAT	14	
sec-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:35	WAT	14	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:35	WAT	14	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:35	WAT	14	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:35	WAT	12	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:35	WAT	15	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:35	WAT	9.4	
n-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:35	WAT	5.7	
Hexachloroethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 18:35	WAT	9.2	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 18:35	WAT	15	
1,2,4-Trichlorobenzene	Not detected	ug/kg	460	SW8260B/5035	04/25/14 18:35	WAT	9.3	
1,2,3-Trichlorobenzene	Not detected	ug/kg	460	SW8260B/5035	04/25/14 18:35	WAT	11	
Naphthalene	Not detected	ug/kg	460	SW8260B/5035	04/25/14 18:35	WAT	9.4	
2-Methylnaphthalene	Not detected	ug/kg	460	SW8260B/5035	04/25/14 18:35	WAT	11	

M-Result reported to MDL not RDL



# Analytical Laboratory Report

Lab Sample ID: S60798.16

Sample Tag: SB131 - 10'

Collected Date/Time: 04/22/2014 00:01

Matrix: Soil

COC Reference: 73373

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3050B	05/05/14 12:30	CCM
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## Inorganics

Total Solids	83	%	1	Std M 2540 B	04/27/14 17:50	ASB	1
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## Metals

Arsenic	1.30	mg/kg	0.10	SW6020A	05/05/14 16:48	CCM	0.0077
Chromium	2.80	mg/kg	0.50	SW6020A	05/05/14 16:48	CCM	0.012
Copper	3.1	mg/kg	1.0	SW6020A	05/05/14 16:48	CCM	0.015
Lead	4.74	mg/kg	0.30	SW6020A	05/05/14 16:48	CCM	0.016
Selenium	Not detected	mg/kg	0.40	SW6020A	05/05/14 16:48	CCM	0.016
Zinc	13.6	mg/kg	1.0	SW6020A	05/05/14 16:48	CCM	0.17

## Organics - Volatiles

### Volatile Organics 5035

Diethyl ether	Not detected	ug/kg	300	SW8260B/5035	04/25/14 18:56	WAT	22
Acetone	Not detected	ug/kg	1,000	SW8260B/5035	04/25/14 18:56	WAT	470
Methyl iodide	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:56	WAT	7.5
Carbon disulfide	Not detected	ug/kg	400	SW8260B/5035	04/25/14 18:56	WAT	9.7
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260B/5035	04/25/14 18:56	WAT	13
Acrylonitrile	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:56	WAT	52
2-Butanone (MEK)	65	ug/kg	1,100	SW8260B/5035	04/25/14 18:56	WAT	35
Dichlorodifluoromethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 18:56	WAT	16
Chloromethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 18:56	WAT	14
Vinyl chloride	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:56	WAT	14
Bromomethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 18:56	WAT	15
Chloroethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 18:56	WAT	15
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:56	WAT	11
1,1-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:56	WAT	15
Methylene chloride	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:56	WAT	15
trans-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:56	WAT	12
1,1-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:56	WAT	12
cis-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:56	WAT	11
Tetrahydrofuran	180	ug/kg	1,000	SW8260B/5035	04/25/14 18:56	WAT	120
Chloroform	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:56	WAT	11
Bromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:56	WAT	15
1,1,1-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:56	WAT	9.0
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	SW8260B/5035	04/25/14 18:56	WAT	30
2-Hexanone	Not detected	ug/kg	4,000	SW8260B/5035	04/25/14 18:56	WAT	18
Carbon tetrachloride	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:56	WAT	10
Benzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:56	WAT	13

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S60798.16 (continued)

Sample Tag: SB131 - 10'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
1,2-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:56	WAT	16	
Trichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:56	WAT	13	
1,2-Dichloropropane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:56	WAT	9.1	
Bromodichloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:56	WAT	10	
Dibromomethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 18:56	WAT	11	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:56	WAT	10	
Toluene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:56	WAT	12	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:56	WAT	8.9	
1,1,2-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:56	WAT	13	
Tetrachloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:56	WAT	13	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:56	WAT	26	
Dibromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:56	WAT	8.5	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260B/5035	04/25/14 18:56	WAT	8.7	M
Chlorobenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:56	WAT	11	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:56	WAT	8.6	
Ethylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:56	WAT	13	
p,m-Xylene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:56	WAT	25	
o-Xylene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:56	WAT	13	
Styrene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:56	WAT	13	
Isopropylbenzene	Not detected	ug/kg	400	SW8260B/5035	04/25/14 18:56	WAT	12	
Bromoform	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:56	WAT	14	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:56	WAT	10	
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:56	WAT	25	
n-Propylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:56	WAT	12	
Bromobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:56	WAT	13	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:56	WAT	12	
tert-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:56	WAT	15	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:56	WAT	14	
sec-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:56	WAT	14	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:56	WAT	14	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:56	WAT	14	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:56	WAT	12	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:56	WAT	15	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 18:56	WAT	9.3	
n-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 18:56	WAT	5.7	
Hexachloroethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 18:56	WAT	9.1	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 18:56	WAT	15	
1,2,4-Trichlorobenzene	Not detected	ug/kg	460	SW8260B/5035	04/25/14 18:56	WAT	9.3	
1,2,3-Trichlorobenzene	Not detected	ug/kg	460	SW8260B/5035	04/25/14 18:56	WAT	11	
Naphthalene	Not detected	ug/kg	460	SW8260B/5035	04/25/14 18:56	WAT	9.4	
2-Methylnaphthalene	Not detected	ug/kg	460	SW8260B/5035	04/25/14 18:56	WAT	11	

M-Result reported to MDL not RDL



# Analytical Laboratory Report

Lab Sample ID: S60798.17

Sample Tag: SB124 - 21'

Collected Date/Time: 04/21/2014 00:01

Matrix: Soil

COC Reference: 73373

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3050B	05/05/14 12:30	CCM
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## Inorganics

Total Solids	78	%	1	Std M 2540 B	04/27/14 17:50	ASB	1
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## Metals

Arsenic	1.83	mg/kg	0.10	SW6020A	05/05/14 16:51	CCM	0.0081
Chromium	3.35	mg/kg	0.50	SW6020A	05/05/14 16:51	CCM	0.013
Copper	8.2	mg/kg	1.0	SW6020A	05/05/14 16:51	CCM	0.016
Lead	7.58	mg/kg	0.30	SW6020A	05/05/14 16:51	CCM	0.017
Selenium	0.21	mg/kg	0.40	SW6020A	05/05/14 16:51	CCM	0.017
Zinc	19.0	mg/kg	1.0	SW6020A	05/05/14 16:51	CCM	0.18

## Organics - Volatiles

### Volatile Organics 5035

Diethyl ether	Not detected	ug/kg	300	SW8260B/5035	04/25/14 19:16	WAT	24
Acetone	Not detected	ug/kg	2,000	SW8260B/5035	04/25/14 19:16	WAT	520
Methyl iodide	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:16	WAT	8.2
Carbon disulfide	Not detected	ug/kg	400	SW8260B/5035	04/25/14 19:16	WAT	11
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260B/5035	04/25/14 19:16	WAT	14
Acrylonitrile	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:16	WAT	57
2-Butanone (MEK)	56	ug/kg	1,200	SW8260B/5035	04/25/14 19:16	WAT	38
Dichlorodifluoromethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 19:16	WAT	17
Chloromethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 19:16	WAT	15
Vinyl chloride	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:16	WAT	15
Bromomethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 19:16	WAT	16
Chloroethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 19:16	WAT	17
Trichlorofluoromethane	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:16	WAT	12
1,1-Dichloroethene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:16	WAT	17
Methylene chloride	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:16	WAT	16
trans-1,2-Dichloroethene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:16	WAT	13
1,1-Dichloroethane	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:16	WAT	13
cis-1,2-Dichloroethene	58	ug/kg	80	SW8260B/5035	04/25/14 19:16	WAT	12
Tetrahydrofuran	190	ug/kg	2,000	SW8260B/5035	04/25/14 19:16	WAT	130
Chloroform	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:16	WAT	12
Bromochloromethane	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:16	WAT	16
1,1,1-Trichloroethane	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:16	WAT	9.8
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	SW8260B/5035	04/25/14 19:16	WAT	33
2-Hexanone	Not detected	ug/kg	4,000	SW8260B/5035	04/25/14 19:16	WAT	19
Carbon tetrachloride	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:16	WAT	11

b-Value detected less than reporting limit, but greater than MDL

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S60798.17 (continued)

Sample Tag: SB124 - 21'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
Benzene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:16	WAT	14	
1,2-Dichloroethane	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:16	WAT	17	
Trichloroethene	1,420	ug/kg	80	SW8260B/5035	04/25/14 19:16	WAT	14	
1,2-Dichloropropane	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:16	WAT	9.9	
Bromodichloromethane	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:16	WAT	11	
Dibromomethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 19:16	WAT	12	
cis-1,3-Dichloropropene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:16	WAT	11	
Toluene	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:16	WAT	13	
trans-1,3-Dichloropropene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:16	WAT	9.8	
1,1,2-Trichloroethane	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:16	WAT	14	
Tetrachloroethene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:16	WAT	14	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:16	WAT	28	
Dibromochloromethane	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:16	WAT	9.3	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260B/5035	04/25/14 19:16	WAT	9.5	M
Chlorobenzene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:16	WAT	12	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:16	WAT	9.4	
Ethylbenzene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:16	WAT	15	
p,m-Xylene	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:16	WAT	28	
o-Xylene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:16	WAT	14	
Styrene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:16	WAT	15	
Isopropylbenzene	Not detected	ug/kg	400	SW8260B/5035	04/25/14 19:16	WAT	13	
Bromoform	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:16	WAT	15	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:16	WAT	11	
1,2,3-Trichloropropane	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:16	WAT	27	
n-Propylbenzene	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:16	WAT	13	
Bromobenzene	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:16	WAT	15	
1,3,5-Trimethylbenzene	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:16	WAT	13	
tert-Butylbenzene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:16	WAT	16	
1,2,4-Trimethylbenzene	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:16	WAT	15	
sec-Butylbenzene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:16	WAT	16	
p-Isopropyltoluene	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:16	WAT	15	
1,3-Dichlorobenzene	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:16	WAT	15	
1,4-Dichlorobenzene	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:16	WAT	13	
1,2-Dichlorobenzene	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:16	WAT	17	
1,2,3-Trimethylbenzene	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:16	WAT	10	
n-Butylbenzene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:16	WAT	6.2	
Hexachloroethane	Not detected	ug/kg	500	SW8260B/5035	04/25/14 19:16	WAT	10.0	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 19:16	WAT	16	
1,2,4-Trichlorobenzene	Not detected	ug/kg	510	SW8260B/5035	04/25/14 19:16	WAT	10	
1,2,3-Trichlorobenzene	Not detected	ug/kg	510	SW8260B/5035	04/25/14 19:16	WAT	12	
Naphthalene	Not detected	ug/kg	510	SW8260B/5035	04/25/14 19:16	WAT	10	
2-Methylnaphthalene	Not detected	ug/kg	510	SW8260B/5035	04/25/14 19:16	WAT	12	

M-Result reported to MDL not RDL



# Analytical Laboratory Report

Lab Sample ID: S60798.18

Sample Tag: SB125 - 19'

Collected Date/Time: 04/21/2014 00:01

Matrix: Soil

COC Reference: 73373

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3050B	05/05/14 12:30	CCM
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## Inorganics

Total Solids	80	%	1	Std M 2540 B	04/27/14 17:50	ASB	1
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## Metals

Arsenic	1.41	mg/kg	0.10	SW6020A	05/05/14 16:54	CCM	0.0077
Chromium	4.24	mg/kg	0.50	SW6020A	05/05/14 16:54	CCM	0.012
Copper	11.4	mg/kg	1.0	SW6020A	05/05/14 16:54	CCM	0.015
Lead	8.59	mg/kg	0.30	SW6020A	05/05/14 16:54	CCM	0.016
Selenium	0.21	mg/kg	0.40	SW6020A	05/05/14 16:54	CCM	0.016
Zinc	20.8	mg/kg	1.0	SW6020A	05/05/14 16:54	CCM	0.17

## Organics - Volatiles

### Volatile Organics 5035

Diethyl ether	Not detected	ug/kg	300	SW8260B/5035	04/25/14 19:36	WAT	23
Acetone	Not detected	ug/kg	1,000	SW8260B/5035	04/25/14 19:36	WAT	500
Methyl iodide	Not detected	ug/kg	100	SW8260B/5035	04/25/14 19:36	WAT	7.9
Carbon disulfide	Not detected	ug/kg	400	SW8260B/5035	04/25/14 19:36	WAT	10
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260B/5035	04/25/14 19:36	WAT	13
Acrylonitrile	Not detected	ug/kg	100	SW8260B/5035	04/25/14 19:36	WAT	54
2-Butanone (MEK)	79	ug/kg	1,100	SW8260B/5035	04/25/14 19:36	WAT	36
Dichlorodifluoromethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 19:36	WAT	16
Chloromethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 19:36	WAT	15
Vinyl chloride	23	ug/kg	70	SW8260B/5035	04/25/14 19:36	WAT	15
Bromomethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 19:36	WAT	15
Chloroethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 19:36	WAT	16
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 19:36	WAT	11
1,1-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 19:36	WAT	16
Methylene chloride	Not detected	ug/kg	100	SW8260B/5035	04/25/14 19:36	WAT	16
trans-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 19:36	WAT	12
1,1-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 19:36	WAT	12
cis-1,2-Dichloroethene	350	ug/kg	70	SW8260B/5035	04/25/14 19:36	WAT	12
Tetrahydrofuran	180	ug/kg	1,000	SW8260B/5035	04/25/14 19:36	WAT	120
Chloroform	16	ug/kg	70	SW8260B/5035	04/25/14 19:36	WAT	11
Bromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 19:36	WAT	16
1,1,1-Trichloroethane	11.0	ug/kg	70	SW8260B/5035	04/25/14 19:36	WAT	9.4
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	SW8260B/5035	04/25/14 19:36	WAT	32
2-Hexanone	Not detected	ug/kg	4,000	SW8260B/5035	04/25/14 19:36	WAT	18
Carbon tetrachloride	Not detected	ug/kg	70	SW8260B/5035	04/25/14 19:36	WAT	11

b-Value detected less than reporting limit, but greater than MDL

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S60798.18 (continued)

Sample Tag: SB125 - 19'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
Benzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 19:36	WAT	14	
1,2-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 19:36	WAT	17	
Trichloroethene	3,650	ug/kg	70	SW8260B/5035	04/25/14 19:36	WAT	14	
1,2-Dichloropropane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 19:36	WAT	9.5	
Bromodichloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 19:36	WAT	11	
Dibromomethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 19:36	WAT	11	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 19:36	WAT	11	
Toluene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 19:36	WAT	12	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 19:36	WAT	9.3	
1,1,2-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 19:36	WAT	13	
Tetrachloroethene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 19:36	WAT	13	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 19:36	WAT	27	
Dibromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 19:36	WAT	8.9	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260B/5035	04/25/14 19:36	WAT	9.1	M
Chlorobenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 19:36	WAT	12	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 19:36	WAT	9.0	
Ethylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 19:36	WAT	14	
p,m-Xylene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 19:36	WAT	27	
o-Xylene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 19:36	WAT	13	
Styrene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 19:36	WAT	14	
Isopropylbenzene	Not detected	ug/kg	400	SW8260B/5035	04/25/14 19:36	WAT	13	
Bromoform	Not detected	ug/kg	100	SW8260B/5035	04/25/14 19:36	WAT	14	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	SW8260B/5035	04/25/14 19:36	WAT	11	
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260B/5035	04/25/14 19:36	WAT	26	
n-Propylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 19:36	WAT	13	
Bromobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 19:36	WAT	14	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 19:36	WAT	13	
tert-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 19:36	WAT	15	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 19:36	WAT	15	
sec-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 19:36	WAT	15	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 19:36	WAT	15	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 19:36	WAT	15	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 19:36	WAT	12	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 19:36	WAT	16	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/25/14 19:36	WAT	9.8	
n-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/25/14 19:36	WAT	5.9	
Hexachloroethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 19:36	WAT	9.5	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 19:36	WAT	16	
1,2,4-Trichlorobenzene	Not detected	ug/kg	480	SW8260B/5035	04/25/14 19:36	WAT	9.7	
1,2,3-Trichlorobenzene	Not detected	ug/kg	480	SW8260B/5035	04/25/14 19:36	WAT	11	
Naphthalene	Not detected	ug/kg	480	SW8260B/5035	04/25/14 19:36	WAT	9.8	
2-Methylnaphthalene	Not detected	ug/kg	480	SW8260B/5035	04/25/14 19:36	WAT	11	

M-Result reported to MDL not RDL



# Analytical Laboratory Report

Lab Sample ID: S60798.19

Sample Tag: SB126 - 15'

Collected Date/Time: 04/21/2014 00:01

Matrix: Soil

COC Reference: 73373

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3050B	05/05/14 12:30	CCM
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## Inorganics

Total Solids	79	%	1	Std M 2540 B	04/27/14 17:50	ASB	1
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## Metals

Arsenic	1.18	mg/kg	0.10	SW6020A	05/05/14 16:57	CCM	0.0077
Chromium	2.87	mg/kg	0.50	SW6020A	05/05/14 16:57	CCM	0.012
Copper	5.6	mg/kg	1.0	SW6020A	05/05/14 16:57	CCM	0.015
Lead	5.47	mg/kg	0.30	SW6020A	05/05/14 16:57	CCM	0.016
Selenium	0.16	mg/kg	0.40	SW6020A	05/05/14 16:57	CCM	0.016
Zinc	14.7	mg/kg	1.0	SW6020A	05/05/14 16:57	CCM	0.17

## Organics - Volatiles

### Volatile Organics 5035

Diethyl ether	Not detected	ug/kg	300	SW8260B/5035	04/25/14 19:57	WAT	24
Acetone	Not detected	ug/kg	2,000	SW8260B/5035	04/25/14 19:57	WAT	520
Methyl iodide	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:57	WAT	8.3
Carbon disulfide	Not detected	ug/kg	400	SW8260B/5035	04/25/14 19:57	WAT	11
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260B/5035	04/25/14 19:57	WAT	14
Acrylonitrile	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:57	WAT	57
2-Butanone (MEK)	75	ug/kg	1,200	SW8260B/5035	04/25/14 19:57	WAT	38
Dichlorodifluoromethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 19:57	WAT	17
Chloromethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 19:57	WAT	15
Vinyl chloride	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:57	WAT	15
Bromomethane	Not detected	ug/kg	300	SW8260B/5035	04/25/14 19:57	WAT	16
Chloroethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 19:57	WAT	17
Trichlorofluoromethane	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:57	WAT	12
1,1-Dichloroethene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:57	WAT	17
Methylene chloride	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:57	WAT	16
trans-1,2-Dichloroethene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:57	WAT	13
1,1-Dichloroethane	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:57	WAT	13
cis-1,2-Dichloroethene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:57	WAT	12
Tetrahydrofuran	210	ug/kg	2,000	SW8260B/5035	04/25/14 19:57	WAT	130
Chloroform	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:57	WAT	12
Bromochloromethane	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:57	WAT	16
1,1,1-Trichloroethane	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:57	WAT	9.9
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	SW8260B/5035	04/25/14 19:57	WAT	33
2-Hexanone	Not detected	ug/kg	4,000	SW8260B/5035	04/25/14 19:57	WAT	19
Carbon tetrachloride	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:57	WAT	11

b-Value detected less than reporting limit, but greater than MDL

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S60798.19 (continued)

Sample Tag: SB126 - 15'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
Benzene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:57	WAT	14	
1,2-Dichloroethane	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:57	WAT	17	
Trichloroethene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:57	WAT	14	
1,2-Dichloropropane	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:57	WAT	10.0	
Bromodichloromethane	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:57	WAT	11	
Dibromomethane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 19:57	WAT	12	
cis-1,3-Dichloropropene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:57	WAT	11	
Toluene	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:57	WAT	13	
trans-1,3-Dichloropropene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:57	WAT	9.8	
1,1,2-Trichloroethane	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:57	WAT	14	
Tetrachloroethene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:57	WAT	14	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:57	WAT	28	
Dibromochloromethane	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:57	WAT	9.4	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260B/5035	04/25/14 19:57	WAT	9.6	M
Chlorobenzene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:57	WAT	13	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:57	WAT	9.4	
Ethylbenzene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:57	WAT	15	
p,m-Xylene	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:57	WAT	28	
o-Xylene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:57	WAT	14	
Styrene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:57	WAT	15	
Isopropylbenzene	Not detected	ug/kg	400	SW8260B/5035	04/25/14 19:57	WAT	13	
Bromoform	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:57	WAT	15	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:57	WAT	11	
1,2,3-Trichloropropane	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:57	WAT	27	
n-Propylbenzene	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:57	WAT	14	
Bromobenzene	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:57	WAT	15	
1,3,5-Trimethylbenzene	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:57	WAT	14	
tert-Butylbenzene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:57	WAT	16	
1,2,4-Trimethylbenzene	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:57	WAT	15	
sec-Butylbenzene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:57	WAT	16	
p-Isopropyltoluene	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:57	WAT	16	
1,3-Dichlorobenzene	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:57	WAT	16	
1,4-Dichlorobenzene	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:57	WAT	13	
1,2-Dichlorobenzene	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:57	WAT	17	
1,2,3-Trimethylbenzene	Not detected	ug/kg	200	SW8260B/5035	04/25/14 19:57	WAT	10	
n-Butylbenzene	Not detected	ug/kg	80	SW8260B/5035	04/25/14 19:57	WAT	6.3	
Hexachloroethane	Not detected	ug/kg	500	SW8260B/5035	04/25/14 19:57	WAT	10	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	SW8260B/5035	04/25/14 19:57	WAT	17	
1,2,4-Trichlorobenzene	Not detected	ug/kg	510	SW8260B/5035	04/25/14 19:57	WAT	10	
1,2,3-Trichlorobenzene	Not detected	ug/kg	510	SW8260B/5035	04/25/14 19:57	WAT	12	
Naphthalene	Not detected	ug/kg	510	SW8260B/5035	04/25/14 19:57	WAT	10	
2-Methylnaphthalene	Not detected	ug/kg	510	SW8260B/5035	04/25/14 19:57	WAT	12	

M-Result reported to MDL not RDL



# Analytical Laboratory Report

Lab Sample ID: S60798.20

Sample Tag: SB127 - 15'

Collected Date/Time: 04/21/2014 00:01

Matrix: Soil

COC Reference: 73373

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
2	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3050B	05/05/14 12:30	CCM
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## Inorganics

Total Solids	82	%	1	Std M 2540 B	04/27/14 17:50	ASB	1
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## Metals

Arsenic	2.06	mg/kg	0.10	SW6020A	05/05/14 17:00	CCM	0.0077
Chromium	4.54	mg/kg	0.50	SW6020A	05/05/14 17:00	CCM	0.012
Copper	5.8	mg/kg	1.0	SW6020A	05/05/14 17:00	CCM	0.015
Lead	7.33	mg/kg	0.30	SW6020A	05/05/14 17:00	CCM	0.016
Selenium	Not detected	mg/kg	0.40	SW6020A	05/05/14 17:00	CCM	0.016
Zinc	20.3	mg/kg	1.0	SW6020A	05/05/14 17:00	CCM	0.17

## Organics - Volatiles

### Volatile Organics 5035

Diethyl ether	Not detected	ug/kg	300	SW8260B/5035	04/29/14 15:37	WAT	23
Acetone	Not detected	ug/kg	1,000	SW8260B/5035	04/29/14 15:37	WAT	480
Methyl iodide	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:37	WAT	7.6
Carbon disulfide	Not detected	ug/kg	400	SW8260B/5035	04/29/14 15:37	WAT	9.9
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260B/5035	04/29/14 15:37	WAT	13
Acrylonitrile	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:37	WAT	53
2-Butanone (MEK)	148	ug/kg	1,100	SW8260B/5035	04/29/14 15:37	WAT	35
Dichlorodifluoromethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 15:37	WAT	16
Chloromethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 15:37	WAT	14
Vinyl chloride	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:37	WAT	14
Bromomethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 15:37	WAT	15
Chloroethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 15:37	WAT	15
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:37	WAT	11
1,1-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:37	WAT	15
Methylene chloride	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:37	WAT	15
trans-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:37	WAT	12
1,1-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:37	WAT	12
cis-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:37	WAT	11
Tetrahydrofuran	170	ug/kg	1,000	SW8260B/5035	04/29/14 15:37	WAT	120
Chloroform	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:37	WAT	11
Bromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:37	WAT	15
1,1,1-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:37	WAT	9.1
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	SW8260B/5035	04/29/14 15:37	WAT	31
2-Hexanone	Not detected	ug/kg	4,000	SW8260B/5035	04/29/14 15:37	WAT	18
Carbon tetrachloride	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:37	WAT	10
Benzene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:37	WAT	13

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S60798.20 (continued)

Sample Tag: SB127 - 15'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
1,2-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:37	WAT	16	
Trichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:37	WAT	13	
1,2-Dichloropropane	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:37	WAT	9.2	
Bromodichloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:37	WAT	11	
Dibromomethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 15:37	WAT	11	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:37	WAT	10	
Toluene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:37	WAT	12	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:37	WAT	9.1	
1,1,2-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:37	WAT	13	
Tetrachloroethene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:37	WAT	13	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:37	WAT	26	
Dibromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:37	WAT	8.6	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260B/5035	04/29/14 15:37	WAT	8.9	M
Chlorobenzene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:37	WAT	12	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:37	WAT	8.7	
Ethylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:37	WAT	14	
p,m-Xylene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:37	WAT	26	
o-Xylene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:37	WAT	13	
Styrene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:37	WAT	14	
Isopropylbenzene	Not detected	ug/kg	400	SW8260B/5035	04/29/14 15:37	WAT	12	
Bromoform	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:37	WAT	14	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:37	WAT	10	
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:37	WAT	25	
n-Propylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:37	WAT	12	
Bromobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:37	WAT	14	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:37	WAT	12	
tert-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:37	WAT	15	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:37	WAT	14	
sec-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:37	WAT	14	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:37	WAT	14	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:37	WAT	14	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:37	WAT	12	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:37	WAT	15	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:37	WAT	9.5	
n-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 15:37	WAT	5.8	
Hexachloroethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 15:37	WAT	9.3	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 15:37	WAT	15	
1,2,4-Trichlorobenzene	Not detected	ug/kg	470	SW8260B/5035	04/29/14 15:37	WAT	9.4	
1,2,3-Trichlorobenzene	Not detected	ug/kg	470	SW8260B/5035	04/29/14 15:37	WAT	11	
Naphthalene	14.3	ug/kg	470	SW8260B/5035	04/29/14 15:37	WAT	9.6	J
2-Methylnaphthalene	30	ug/kg	470	SW8260B/5035	04/29/14 15:37	WAT	11	J

M-Result reported to MDL not RDL

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60798.21

Sample Tag: SB128 - 10'

Collected Date/Time: 04/21/2014 00:01

Matrix: Soil

COC Reference: 73373

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

## Analysis

### Extraction / Prep.

Metal Digestion	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
	Completed			SW3050B	05/05/14 13:00	CCM		

### Inorganics

Total Solids	89	%	1	Std M 2540 B	04/27/14 17:50	ASB	1
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### Metals

Arsenic	1.15	mg/kg	0.10	SW6020A	05/05/14 17:26	CCM	0.0071
Chromium	5.89	mg/kg	0.50	SW6020A	05/05/14 17:26	CCM	0.011
Copper	5.3	mg/kg	1.0	SW6020A	05/05/14 17:26	CCM	0.014
Lead	6.95	mg/kg	0.30	SW6020A	05/05/14 17:26	CCM	0.015
Selenium	Not detected	mg/kg	0.40	SW6020A	05/05/14 17:26	CCM	0.014
Zinc	9.9	mg/kg	1.0	SW6020A	05/05/14 17:26	CCM	0.15

### Organics - Volatiles

#### Volatile Organics 5035

Diethyl ether	Not detected	ug/kg	300	SW8260B/5035	04/29/14 15:57	WAT	20
Acetone	Not detected	ug/kg	1,000	SW8260B/5035	04/29/14 15:57	WAT	430
Methyl iodide	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:57	WAT	6.9
Carbon disulfide	Not detected	ug/kg	300	SW8260B/5035	04/29/14 15:57	WAT	8.9
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260B/5035	04/29/14 15:57	WAT	12
Acrylonitrile	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:57	WAT	48
2-Butanone (MEK)	127	ug/kg	960	SW8260B/5035	04/29/14 15:57	WAT	32
Dichlorodifluoromethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 15:57	WAT	14
Chloromethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 15:57	WAT	13
Vinyl chloride	Not detected	ug/kg	60	SW8260B/5035	04/29/14 15:57	WAT	13
Bromomethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 15:57	WAT	14
Chloroethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 15:57	WAT	14
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:57	WAT	10
1,1-Dichloroethene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 15:57	WAT	14
Methylene chloride	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:57	WAT	14
trans-1,2-Dichloroethene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 15:57	WAT	11
1,1-Dichloroethane	Not detected	ug/kg	60	SW8260B/5035	04/29/14 15:57	WAT	11
cis-1,2-Dichloroethene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 15:57	WAT	10
Tetrahydrofuran	140	ug/kg	1,000	SW8260B/5035	04/29/14 15:57	WAT	110
Chloroform	Not detected	ug/kg	60	SW8260B/5035	04/29/14 15:57	WAT	10.0
Bromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:57	WAT	14
1,1,1-Trichloroethane	Not detected	ug/kg	60	SW8260B/5035	04/29/14 15:57	WAT	8.2
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	SW8260B/5035	04/29/14 15:57	WAT	28
2-Hexanone	Not detected	ug/kg	3,000	SW8260B/5035	04/29/14 15:57	WAT	16
Carbon tetrachloride	Not detected	ug/kg	60	SW8260B/5035	04/29/14 15:57	WAT	9.3
Benzene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 15:57	WAT	12

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S60798.21 (continued)

Sample Tag: SB128 - 10'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
1,2-Dichloroethane	Not detected	ug/kg	60	SW8260B/5035	04/29/14 15:57	WAT	14	
Trichloroethene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 15:57	WAT	12	
1,2-Dichloropropane	Not detected	ug/kg	60	SW8260B/5035	04/29/14 15:57	WAT	8.3	
Bromodichloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:57	WAT	9.5	
Dibromomethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 15:57	WAT	9.9	
cis-1,3-Dichloropropene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 15:57	WAT	9.3	
Toluene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:57	WAT	11	
trans-1,3-Dichloropropene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 15:57	WAT	8.2	
1,1,2-Trichloroethane	Not detected	ug/kg	60	SW8260B/5035	04/29/14 15:57	WAT	12	
Tetrachloroethene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 15:57	WAT	12	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 15:57	WAT	24	
Dibromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:57	WAT	7.8	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260B/5035	04/29/14 15:57	WAT	8.0	M
Chlorobenzene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 15:57	WAT	10	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:57	WAT	7.8	
Ethylbenzene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 15:57	WAT	12	
p,m-Xylene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:57	WAT	23	
o-Xylene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 15:57	WAT	12	
Styrene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 15:57	WAT	12	
Isopropylbenzene	Not detected	ug/kg	300	SW8260B/5035	04/29/14 15:57	WAT	11	
Bromoform	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:57	WAT	13	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	60	SW8260B/5035	04/29/14 15:57	WAT	9.2	
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:57	WAT	23	
n-Propylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:57	WAT	11	
Bromobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:57	WAT	12	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:57	WAT	11	
tert-Butylbenzene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 15:57	WAT	13	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:57	WAT	13	
sec-Butylbenzene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 15:57	WAT	13	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:57	WAT	13	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:57	WAT	13	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:57	WAT	11	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:57	WAT	14	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 15:57	WAT	8.5	
n-Butylbenzene	Not detected	ug/kg	60	SW8260B/5035	04/29/14 15:57	WAT	5.2	
Hexachloroethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 15:57	WAT	8.3	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 15:57	WAT	14	
1,2,4-Trichlorobenzene	Not detected	ug/kg	420	SW8260B/5035	04/29/14 15:57	WAT	8.5	
1,2,3-Trichlorobenzene	Not detected	ug/kg	420	SW8260B/5035	04/29/14 15:57	WAT	9.7	
Naphthalene	46.9	ug/kg	420	SW8260B/5035	04/29/14 15:57	WAT	8.6	J
2-Methylnaphthalene	46	ug/kg	420	SW8260B/5035	04/29/14 15:57	WAT	10	J

M-Result reported to MDL not RDL

J-Estimated value less than reporting limit, but greater than MDL



# Analytical Laboratory Report

Lab Sample ID: S60798.22

Sample Tag: SB129 - 18'

Collected Date/Time: 04/22/2014 00:01

Matrix: Soil

COC Reference: 73373

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3050B	05/05/14 13:00	CCM
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## Inorganics

Total Solids	77	%	1	Std M 2540 B	04/27/14 17:50	ASB	1
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## Metals

Arsenic	1.46	mg/kg	0.10	SW6020A	05/05/14 17:39	CCM	0.0082
Chromium	4.73	mg/kg	0.50	SW6020A	05/05/14 17:39	CCM	0.013
Copper	7.2	mg/kg	1.0	SW6020A	05/05/14 17:39	CCM	0.016
Lead	7.42	mg/kg	0.30	SW6020A	05/05/14 17:39	CCM	0.017
Selenium	0.15	mg/kg	0.40	SW6020A	05/05/14 17:39	CCM	0.017
Zinc	19.2	mg/kg	1.0	SW6020A	05/05/14 17:39	CCM	0.18

## Organics - Volatiles

### Volatile Organics 5035

Diethyl ether	Not detected	ug/kg	300	SW8260B/5035	04/30/14 15:32	WAT	25
Acetone	Not detected	ug/kg	2,000	SW8260B/5035	04/30/14 15:32	WAT	520
Methyl iodide	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:32	WAT	8.3
Carbon disulfide	Not detected	ug/kg	400	SW8260B/5035	04/30/14 15:32	WAT	11
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260B/5035	04/30/14 15:32	WAT	14
Acrylonitrile	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:32	WAT	58
2-Butanone (MEK)	82	ug/kg	1,200	SW8260B/5035	04/30/14 15:32	WAT	38
Dichlorodifluoromethane	Not detected	ug/kg	400	SW8260B/5035	04/30/14 15:32	WAT	17
Chloromethane	Not detected	ug/kg	400	SW8260B/5035	04/30/14 15:32	WAT	15
Vinyl chloride	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:32	WAT	15
Bromomethane	Not detected	ug/kg	300	SW8260B/5035	04/30/14 15:32	WAT	16
Chloroethane	Not detected	ug/kg	400	SW8260B/5035	04/30/14 15:32	WAT	17
Trichlorofluoromethane	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:32	WAT	12
1,1-Dichloroethene	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:32	WAT	17
Methylene chloride	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:32	WAT	17
trans-1,2-Dichloroethene	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:32	WAT	13
1,1-Dichloroethane	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:32	WAT	13
cis-1,2-Dichloroethene	300	ug/kg	80	SW8260B/5035	04/30/14 15:32	WAT	12
Tetrahydrofuran	180	ug/kg	2,000	SW8260B/5035	04/30/14 15:32	WAT	130
Chloroform	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:32	WAT	12
Bromochloromethane	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:32	WAT	17
1,1,1-Trichloroethane	33.4	ug/kg	80	SW8260B/5035	04/30/14 15:32	WAT	9.9
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	SW8260B/5035	04/30/14 15:32	WAT	34
2-Hexanone	Not detected	ug/kg	4,000	SW8260B/5035	04/30/14 15:32	WAT	20
Carbon tetrachloride	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:32	WAT	11

b-Value detected less than reporting limit, but greater than MDL

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S60798.22 (continued)

Sample Tag: SB129 - 18'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
Benzene	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:32	WAT	14	
1,2-Dichloroethane	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:32	WAT	17	
Trichloroethene	6,170	ug/kg	80	SW8260B/5035	04/30/14 15:32	WAT	15	
1,2-Dichloropropane	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:32	WAT	10	
Bromodichloromethane	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:32	WAT	11	
Dibromomethane	Not detected	ug/kg	400	SW8260B/5035	04/30/14 15:32	WAT	12	
cis-1,3-Dichloropropene	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:32	WAT	11	
Toluene	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:32	WAT	13	
trans-1,3-Dichloropropene	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:32	WAT	9.9	
1,1,2-Trichloroethane	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:32	WAT	14	
Tetrachloroethene	19	ug/kg	80	SW8260B/5035	04/30/14 15:32	WAT	14	J
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:32	WAT	29	
Dibromochloromethane	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:32	WAT	9.4	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260B/5035	04/30/14 15:32	WAT	9.6	M
Chlorobenzene	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:32	WAT	13	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:32	WAT	9.5	
Ethylbenzene	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:32	WAT	15	
p,m-Xylene	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:32	WAT	28	
o-Xylene	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:32	WAT	14	
Styrene	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:32	WAT	15	
Isopropylbenzene	Not detected	ug/kg	400	SW8260B/5035	04/30/14 15:32	WAT	13	
Bromoform	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:32	WAT	15	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:32	WAT	11	
1,2,3-Trichloropropene	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:32	WAT	27	
n-Propylbenzene	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:32	WAT	14	
Bromobenzene	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:32	WAT	15	
1,3,5-Trimethylbenzene	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:32	WAT	14	
tert-Butylbenzene	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:32	WAT	16	
1,2,4-Trimethylbenzene	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:32	WAT	15	
sec-Butylbenzene	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:32	WAT	16	
p-Isopropyltoluene	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:32	WAT	16	
1,3-Dichlorobenzene	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:32	WAT	16	
1,4-Dichlorobenzene	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:32	WAT	13	
1,2-Dichlorobenzene	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:32	WAT	17	
1,2,3-Trimethylbenzene	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:32	WAT	10	
n-Butylbenzene	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:32	WAT	6.3	
Hexachloroethane	Not detected	ug/kg	500	SW8260B/5035	04/30/14 15:32	WAT	10	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	SW8260B/5035	04/30/14 15:32	WAT	17	
1,2,4-Trichlorobenzene	Not detected	ug/kg	510	SW8260B/5035	04/30/14 15:32	WAT	10	
1,2,3-Trichlorobenzene	Not detected	ug/kg	510	SW8260B/5035	04/30/14 15:32	WAT	12	
Naphthalene	Not detected	ug/kg	510	SW8260B/5035	04/30/14 15:32	WAT	10	
2-Methylnaphthalene	Not detected	ug/kg	510	SW8260B/5035	04/30/14 15:32	WAT	12	

J-Estimated value less than reporting limit, but greater than MDL

M-Result reported to MDL not RDL



# Analytical Laboratory Report

Lab Sample ID: S60798.23

Sample Tag: SB130 - 18'

Collected Date/Time: 04/22/2014 00:01

Matrix: Soil

COC Reference: 73373

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3050B	05/05/14 13:00	CCM
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## Inorganics

Total Solids	80	%	1	Std M 2540 B	04/27/14 17:50	ASB	1
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## Metals

Arsenic	1.98	mg/kg	0.10	SW6020A	05/05/14 17:29	CCM	0.0079
Chromium	2.77	mg/kg	0.50	SW6020A	05/05/14 17:29	CCM	0.013
Copper	9.8	mg/kg	1.0	SW6020A	05/05/14 17:29	CCM	0.016
Lead	6.51	mg/kg	0.30	SW6020A	05/05/14 17:29	CCM	0.016
Selenium	Not detected	mg/kg	0.40	SW6020A	05/05/14 17:29	CCM	0.016
Zinc	18.0	mg/kg	1.0	SW6020A	05/05/14 17:29	CCM	0.17

## Organics - Volatiles

### Volatile Organics 5035

Diethyl ether	Not detected	ug/kg	300	SW8260B/5035	04/30/14 15:53	WAT	24
Acetone	Not detected	ug/kg	2,000	SW8260B/5035	04/30/14 15:53	WAT	510
Methyl iodide	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:53	WAT	8.1
Carbon disulfide	Not detected	ug/kg	400	SW8260B/5035	04/30/14 15:53	WAT	10
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260B/5035	04/30/14 15:53	WAT	14
Acrylonitrile	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:53	WAT	56
2-Butanone (MEK)	70	ug/kg	1,100	SW8260B/5035	04/30/14 15:53	WAT	37
Dichlorodifluoromethane	Not detected	ug/kg	400	SW8260B/5035	04/30/14 15:53	WAT	17
Chloromethane	Not detected	ug/kg	400	SW8260B/5035	04/30/14 15:53	WAT	15
Vinyl chloride	73	ug/kg	80	SW8260B/5035	04/30/14 15:53	WAT	15
Bromomethane	Not detected	ug/kg	300	SW8260B/5035	04/30/14 15:53	WAT	16
Chloroethane	Not detected	ug/kg	400	SW8260B/5035	04/30/14 15:53	WAT	16
Trichlorofluoromethane	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:53	WAT	12
1,1-Dichloroethene	34	ug/kg	80	SW8260B/5035	04/30/14 15:53	WAT	16
Methylene chloride	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:53	WAT	16
trans-1,2-Dichloroethene	100	ug/kg	80	SW8260B/5035	04/30/14 15:53	WAT	13
1,1-Dichloroethane	69	ug/kg	80	SW8260B/5035	04/30/14 15:53	WAT	13
cis-1,2-Dichloroethene	6,380	ug/kg	80	SW8260B/5035	04/30/14 15:53	WAT	12
Tetrahydrofuran	160	ug/kg	2,000	SW8260B/5035	04/30/14 15:53	WAT	130
Chloroform	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:53	WAT	12
Bromochloromethane	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:53	WAT	16
1,1,1-Trichloroethane	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:53	WAT	9.7
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	SW8260B/5035	04/30/14 15:53	WAT	33
2-Hexanone	Not detected	ug/kg	4,000	SW8260B/5035	04/30/14 15:53	WAT	19
Carbon tetrachloride	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:53	WAT	11
Benzene	36	ug/kg	80	SW8260B/5035	04/30/14 15:53	WAT	14

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S60798.23 (continued)

Sample Tag: SB130 - 18'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
1,2-Dichloroethane	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:53	WAT	17	
Trichloroethene	6,080	ug/kg	80	SW8260B/5035	04/30/14 15:53	WAT	14	
1,2-Dichloropropane	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:53	WAT	9.8	
Bromodichloromethane	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:53	WAT	11	
Dibromomethane	Not detected	ug/kg	400	SW8260B/5035	04/30/14 15:53	WAT	12	
cis-1,3-Dichloropropene	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:53	WAT	11	
Toluene	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:53	WAT	13	
trans-1,3-Dichloropropene	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:53	WAT	9.6	
1,1,2-Trichloroethane	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:53	WAT	14	
Tetrachloroethene	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:53	WAT	14	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:53	WAT	28	
Dibromochloromethane	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:53	WAT	9.2	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260B/5035	04/30/14 15:53	WAT	9.4	M
Chlorobenzene	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:53	WAT	12	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:53	WAT	9.2	
Ethylbenzene	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:53	WAT	14	
p,m-Xylene	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:53	WAT	27	
o-Xylene	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:53	WAT	14	
Styrene	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:53	WAT	15	
Isopropylbenzene	Not detected	ug/kg	400	SW8260B/5035	04/30/14 15:53	WAT	13	
Bromoform	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:53	WAT	15	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:53	WAT	11	
1,2,3-Trichloropropane	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:53	WAT	27	
n-Propylbenzene	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:53	WAT	13	
Bromobenzene	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:53	WAT	14	
1,3,5-Trimethylbenzene	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:53	WAT	13	
tert-Butylbenzene	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:53	WAT	16	
1,2,4-Trimethylbenzene	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:53	WAT	15	
sec-Butylbenzene	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:53	WAT	15	
p-Isopropyltoluene	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:53	WAT	15	
1,3-Dichlorobenzene	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:53	WAT	15	
1,4-Dichlorobenzene	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:53	WAT	13	
1,2-Dichlorobenzene	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:53	WAT	16	
1,2,3-Trimethylbenzene	Not detected	ug/kg	200	SW8260B/5035	04/30/14 15:53	WAT	10	
n-Butylbenzene	Not detected	ug/kg	80	SW8260B/5035	04/30/14 15:53	WAT	6.1	
Hexachloroethane	Not detected	ug/kg	500	SW8260B/5035	04/30/14 15:53	WAT	9.9	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	SW8260B/5035	04/30/14 15:53	WAT	16	
1,2,4-Trichlorobenzene	Not detected	ug/kg	500	SW8260B/5035	04/30/14 15:53	WAT	10	
1,2,3-Trichlorobenzene	Not detected	ug/kg	500	SW8260B/5035	04/30/14 15:53	WAT	11	
Naphthalene	Not detected	ug/kg	500	SW8260B/5035	04/30/14 15:53	WAT	10	
2-Methylnaphthalene	Not detected	ug/kg	500	SW8260B/5035	04/30/14 15:53	WAT	12	

M-Result reported to MDL not RDL



# Analytical Laboratory Report

Lab Sample ID: S60798.24

Sample Tag: SB131 - 18'

Collected Date/Time: 04/22/2014 00:01

Matrix: Soil

COC Reference: 73373

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3050B	05/05/14 13:00	CCM
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## Inorganics

Total Solids	81	%	1	Std M 2540 B	04/27/14 17:50	ASB	1
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## Metals

Arsenic	2.08	mg/kg	0.10	SW6020A	05/05/14 17:32	CCM	0.0077
Chromium	2.62	mg/kg	0.50	SW6020A	05/05/14 17:32	CCM	0.012
Copper	7.9	mg/kg	1.0	SW6020A	05/05/14 17:32	CCM	0.015
Lead	6.02	mg/kg	0.30	SW6020A	05/05/14 17:32	CCM	0.016
Selenium	Not detected	mg/kg	0.40	SW6020A	05/05/14 17:32	CCM	0.016
Zinc	18.6	mg/kg	1.0	SW6020A	05/05/14 17:32	CCM	0.17

## Organics - Volatiles

### Volatile Organics 5035

Diethyl ether	Not detected	ug/kg	300	SW8260B/5035	04/29/14 18:59	WAT	23
Acetone	Not detected	ug/kg	1,000	SW8260B/5035	04/29/14 18:59	WAT	490
Methyl iodide	Not detected	ug/kg	100	SW8260B/5035	04/29/14 18:59	WAT	7.8
Carbon disulfide	Not detected	ug/kg	400	SW8260B/5035	04/29/14 18:59	WAT	10
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260B/5035	04/29/14 18:59	WAT	13
Acrylonitrile	Not detected	ug/kg	100	SW8260B/5035	04/29/14 18:59	WAT	54
2-Butanone (MEK)	164	ug/kg	1,100	SW8260B/5035	04/29/14 18:59	WAT	36
Dichlorodifluoromethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 18:59	WAT	16
Chloromethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 18:59	WAT	14
Vinyl chloride	90	ug/kg	70	SW8260B/5035	04/29/14 18:59	WAT	15
Bromomethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 18:59	WAT	15
Chloroethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 18:59	WAT	16
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 18:59	WAT	11
1,1-Dichloroethene	18	ug/kg	70	SW8260B/5035	04/29/14 18:59	WAT	16
Methylene chloride	Not detected	ug/kg	100	SW8260B/5035	04/29/14 18:59	WAT	16
trans-1,2-Dichloroethene	62	ug/kg	70	SW8260B/5035	04/29/14 18:59	WAT	12
1,1-Dichloroethane	35	ug/kg	70	SW8260B/5035	04/29/14 18:59	WAT	12
cis-1,2-Dichloroethene	2,820	ug/kg	70	SW8260B/5035	04/29/14 18:59	WAT	12
Tetrahydrofuran	160	ug/kg	1,000	SW8260B/5035	04/29/14 18:59	WAT	120
Chloroform	Not detected	ug/kg	70	SW8260B/5035	04/29/14 18:59	WAT	11
Bromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 18:59	WAT	16
1,1,1-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/29/14 18:59	WAT	9.3
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	SW8260B/5035	04/29/14 18:59	WAT	32
2-Hexanone	Not detected	ug/kg	4,000	SW8260B/5035	04/29/14 18:59	WAT	18
Carbon tetrachloride	Not detected	ug/kg	70	SW8260B/5035	04/29/14 18:59	WAT	11
Benzene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 18:59	WAT	13

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S60798.24 (continued)

Sample Tag: SB131 - 18'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
1,2-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/29/14 18:59	WAT	16	
Trichloroethene	12,160	ug/kg	70	SW8260B/5035	04/29/14 18:59	WAT	14	
1,2-Dichloropropane	Not detected	ug/kg	70	SW8260B/5035	04/29/14 18:59	WAT	9.4	
Bromodichloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 18:59	WAT	11	
Dibromomethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 18:59	WAT	11	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 18:59	WAT	11	
Toluene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 18:59	WAT	12	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 18:59	WAT	9.3	
1,1,2-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/29/14 18:59	WAT	13	
Tetrachloroethene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 18:59	WAT	13	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 18:59	WAT	27	
Dibromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 18:59	WAT	8.8	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260B/5035	04/29/14 18:59	WAT	9.1	M
Chlorobenzene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 18:59	WAT	12	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 18:59	WAT	8.9	
Ethylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 18:59	WAT	14	
p,m-Xylene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 18:59	WAT	26	
o-Xylene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 18:59	WAT	13	
Styrene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 18:59	WAT	14	
Isopropylbenzene	Not detected	ug/kg	400	SW8260B/5035	04/29/14 18:59	WAT	12	
Bromoform	Not detected	ug/kg	100	SW8260B/5035	04/29/14 18:59	WAT	14	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	SW8260B/5035	04/29/14 18:59	WAT	11	
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 18:59	WAT	26	
n-Propylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 18:59	WAT	13	
Bromobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 18:59	WAT	14	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 18:59	WAT	13	
tert-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 18:59	WAT	15	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 18:59	WAT	14	
sec-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 18:59	WAT	15	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 18:59	WAT	15	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 18:59	WAT	15	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 18:59	WAT	12	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 18:59	WAT	16	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 18:59	WAT	9.7	
n-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 18:59	WAT	5.9	
Hexachloroethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 18:59	WAT	9.5	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 18:59	WAT	16	
1,2,4-Trichlorobenzene	Not detected	ug/kg	480	SW8260B/5035	04/29/14 18:59	WAT	9.6	
1,2,3-Trichlorobenzene	Not detected	ug/kg	480	SW8260B/5035	04/29/14 18:59	WAT	11	
Naphthalene	Not detected	ug/kg	480	SW8260B/5035	04/29/14 18:59	WAT	9.8	
2-Methylnaphthalene	Not detected	ug/kg	480	SW8260B/5035	04/29/14 18:59	WAT	11	

M-Result reported to MDL not RDL



# Analytical Laboratory Report

Lab Sample ID: S60798.25

Sample Tag: SB127 - 20'

Collected Date/Time: 04/21/2014 00:01

Matrix: Soil

COC Reference: 73374

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR
1	4oz Glass	None	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
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## Extraction / Prep.

Metal Digestion	Completed			SW3050B	05/05/14 13:00	CCM
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## Inorganics

Total Solids	81	%	1	Std M 2540 B	04/27/14 17:50	ASB	1
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## Metals

Arsenic	1.78	mg/kg	0.10	SW6020A	05/05/14 17:35	CCM	0.0078
Chromium	0.61	mg/kg	0.50	SW6020A	05/05/14 17:35	CCM	0.012
Copper	1.2	mg/kg	1.0	SW6020A	05/05/14 17:35	CCM	0.016
Lead	0.95	mg/kg	0.30	SW6020A	05/05/14 17:35	CCM	0.016
Selenium	Not detected	mg/kg	0.40	SW6020A	05/05/14 17:35	CCM	0.016
Zinc	2.4	mg/kg	1.0	SW6020A	05/05/14 17:35	CCM	0.17

## Organics - Volatiles

### Volatile Organics 5035

Diethyl ether	Not detected	ug/kg	300	SW8260B/5035	04/29/14 16:18	WAT	24
Acetone	Not detected	ug/kg	1,000	SW8260B/5035	04/29/14 16:18	WAT	500
Methyl iodide	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:18	WAT	8.0
Carbon disulfide	Not detected	ug/kg	400	SW8260B/5035	04/29/14 16:18	WAT	10
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	300	SW8260B/5035	04/29/14 16:18	WAT	14
Acrylonitrile	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:18	WAT	55
2-Butanone (MEK)	126	ug/kg	1,100	SW8260B/5035	04/29/14 16:18	WAT	37
Dichlorodifluoromethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 16:18	WAT	17
Chloromethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 16:18	WAT	15
Vinyl chloride	Not detected	ug/kg	70	SW8260B/5035	04/29/14 16:18	WAT	15
Bromomethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 16:18	WAT	16
Chloroethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 16:18	WAT	16
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:18	WAT	12
1,1-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 16:18	WAT	16
Methylene chloride	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:18	WAT	16
trans-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 16:18	WAT	13
1,1-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/29/14 16:18	WAT	13
cis-1,2-Dichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 16:18	WAT	12
Tetrahydrofuran	190	ug/kg	1,000	SW8260B/5035	04/29/14 16:18	WAT	120
Chloroform	Not detected	ug/kg	70	SW8260B/5035	04/29/14 16:18	WAT	12
Bromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:18	WAT	16
1,1,1-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/29/14 16:18	WAT	9.5
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	4,000	SW8260B/5035	04/29/14 16:18	WAT	32
2-Hexanone	Not detected	ug/kg	4,000	SW8260B/5035	04/29/14 16:18	WAT	19
Carbon tetrachloride	Not detected	ug/kg	70	SW8260B/5035	04/29/14 16:18	WAT	11
Benzene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 16:18	WAT	14

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank



# Analytical Laboratory Report

Lab Sample ID: S60798.25 (continued)

Sample Tag: SB127 - 20'

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
1,2-Dichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/29/14 16:18	WAT	17	
Trichloroethene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 16:18	WAT	14	
1,2-Dichloropropane	Not detected	ug/kg	70	SW8260B/5035	04/29/14 16:18	WAT	9.6	
Bromodichloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:18	WAT	11	
Dibromomethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 16:18	WAT	11	
cis-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 16:18	WAT	11	
Toluene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:18	WAT	12	
trans-1,3-Dichloropropene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 16:18	WAT	9.4	
1,1,2-Trichloroethane	Not detected	ug/kg	70	SW8260B/5035	04/29/14 16:18	WAT	14	
Tetrachloroethene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 16:18	WAT	13	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 16:18	WAT	27	
Dibromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:18	WAT	9.0	
1,2-Dibromoethane	Not detected	ug/kg	30	SW8260B/5035	04/29/14 16:18	WAT	9.2	M
Chlorobenzene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 16:18	WAT	12	
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:18	WAT	9.1	
Ethylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 16:18	WAT	14	
p,m-Xylene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:18	WAT	27	
o-Xylene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 16:18	WAT	14	
Styrene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 16:18	WAT	14	
Isopropylbenzene	Not detected	ug/kg	400	SW8260B/5035	04/29/14 16:18	WAT	13	
Bromoform	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:18	WAT	15	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	70	SW8260B/5035	04/29/14 16:18	WAT	11	
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:18	WAT	26	
n-Propylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:18	WAT	13	
Bromobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:18	WAT	14	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:18	WAT	13	
tert-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 16:18	WAT	16	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:18	WAT	15	
sec-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 16:18	WAT	15	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:18	WAT	15	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:18	WAT	15	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:18	WAT	13	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:18	WAT	16	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:18	WAT	9.9	
n-Butylbenzene	Not detected	ug/kg	70	SW8260B/5035	04/29/14 16:18	WAT	6.0	
Hexachloroethane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 16:18	WAT	9.7	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	400	SW8260B/5035	04/29/14 16:18	WAT	16	
1,2,4-Trichlorobenzene	Not detected	ug/kg	490	SW8260B/5035	04/29/14 16:18	WAT	9.8	
1,2,3-Trichlorobenzene	Not detected	ug/kg	490	SW8260B/5035	04/29/14 16:18	WAT	11	
Naphthalene	Not detected	ug/kg	490	SW8260B/5035	04/29/14 16:18	WAT	10.0	
2-Methylnaphthalene	Not detected	ug/kg	490	SW8260B/5035	04/29/14 16:18	WAT	12	

M-Result reported to MDL not RDL



# Analytical Laboratory Report

Lab Sample ID: S60798.26

Sample Tag: Field Blank

Collected Date/Time: 04/21/2014 00:01

Matrix: Methanol

COC Reference: 73374

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles</b>								
<b>Volatile Organics 5035</b>								
Diethyl ether	Not detected	ug/kg	200	SW8260B/5035	04/29/14 16:38	WAT	16	
Acetone	Not detected	ug/kg	1,000	SW8260B/5035	04/29/14 16:38	WAT	340	
Methyl iodide	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:38	WAT	5.4	
Carbon disulfide	Not detected	ug/kg	300	SW8260B/5035	04/29/14 16:38	WAT	6.9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	200	SW8260B/5035	04/29/14 16:38	WAT	9.2	
Acrylonitrile	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:38	WAT	37	
2-Butanone (MEK)	96	ug/kg	750	SW8260B/5035	04/29/14 16:38	WAT	25	JB
Dichlorodifluoromethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 16:38	WAT	11	
Chloromethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 16:38	WAT	9.9	
Vinyl chloride	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:38	WAT	10.0	
Bromomethane	Not detected	ug/kg	200	SW8260B/5035	04/29/14 16:38	WAT	11	
Chloroethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 16:38	WAT	11	
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:38	WAT	7.8	
1,1-Dichloroethene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:38	WAT	11	
Methylene chloride	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:38	WAT	11	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:38	WAT	8.5	
1,1-Dichloroethane	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:38	WAT	8.5	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:38	WAT	7.9	
Tetrahydrofuran	104	ug/kg	1,000	SW8260B/5035	04/29/14 16:38	WAT	83	JB
Chloroform	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:38	WAT	7.8	
Bromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:38	WAT	11	
1,1,1-Trichloroethane	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:38	WAT	6.4	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	SW8260B/5035	04/29/14 16:38	WAT	22	
2-Hexanone	Not detected	ug/kg	3,000	SW8260B/5035	04/29/14 16:38	WAT	13	
Carbon tetrachloride	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:38	WAT	7.3	
Benzene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:38	WAT	9.2	
1,2-Dichloroethane	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:38	WAT	11	
Trichloroethene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:38	WAT	9.4	
1,2-Dichloropropane	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:38	WAT	6.5	
Bromodichloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:38	WAT	7.4	
Dibromomethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 16:38	WAT	7.7	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:38	WAT	7.3	
Toluene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:38	WAT	8.4	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:38	WAT	6.4	
1,1,2-Trichloroethane	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:38	WAT	9.2	
Tetrachloroethene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:38	WAT	9.0	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:38	WAT	18	
Dibromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:38	WAT	6.1	
1,2-Dibromoethane	Not detected	ug/kg	20	SW8260B/5035	04/29/14 16:38	WAT	6.2	M
Chlorobenzene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:38	WAT	8.1	

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank

M-Result reported to MDL not RDL



# Analytical Laboratory Report

Lab Sample ID: S60798.26 (continued)

Sample Tag: Field Blank

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:38	WAT	6.1	
Ethylbenzene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:38	WAT	9.6	
p,m-Xylene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:38	WAT	18	
o-Xylene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:38	WAT	9.1	
Styrene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:38	WAT	9.6	
Isopropylbenzene	Not detected	ug/kg	300	SW8260B/5035	04/29/14 16:38	WAT	8.6	
Bromoform	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:38	WAT	9.9	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:38	WAT	7.2	
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:38	WAT	18	
n-Propylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:38	WAT	8.8	
Bromobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:38	WAT	9.5	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:38	WAT	8.8	
tert-Butylbenzene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:38	WAT	10	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:38	WAT	9.9	
sec-Butylbenzene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:38	WAT	10	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:38	WAT	10	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:38	WAT	10	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:38	WAT	8.5	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:38	WAT	11	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:38	WAT	6.7	
n-Butylbenzene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:38	WAT	4.1	
Hexachloroethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 16:38	WAT	6.5	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 16:38	WAT	11	
1,2,4-Trichlorobenzene	Not detected	ug/kg	330	SW8260B/5035	04/29/14 16:38	WAT	6.6	
1,2,3-Trichlorobenzene	Not detected	ug/kg	330	SW8260B/5035	04/29/14 16:38	WAT	7.6	
Naphthalene	Not detected	ug/kg	330	SW8260B/5035	04/29/14 16:38	WAT	6.7	
2-Methylnaphthalene	Not detected	ug/kg	330	SW8260B/5035	04/29/14 16:38	WAT	7.8	



# Analytical Laboratory Report

Lab Sample ID: S60798.27

Sample Tag: Trip Blank

Collected Date/Time: 04/21/2014 00:01

Matrix: Methanol

COC Reference: 73374

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles</b>								
<b>Volatile Organics 5035</b>								
Diethyl ether	Not detected	ug/kg	200	SW8260B/5035	04/29/14 16:58	WAT	16	
Acetone	Not detected	ug/kg	1,000	SW8260B/5035	04/29/14 16:58	WAT	340	
Methyl iodide	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:58	WAT	5.4	
Carbon disulfide	Not detected	ug/kg	300	SW8260B/5035	04/29/14 16:58	WAT	6.9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	200	SW8260B/5035	04/29/14 16:58	WAT	9.2	
Acrylonitrile	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:58	WAT	37	
2-Butanone (MEK)	109	ug/kg	750	SW8260B/5035	04/29/14 16:58	WAT	25	JB
Dichlorodifluoromethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 16:58	WAT	11	
Chloromethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 16:58	WAT	9.9	
Vinyl chloride	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:58	WAT	10.0	
Bromomethane	Not detected	ug/kg	200	SW8260B/5035	04/29/14 16:58	WAT	11	
Chloroethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 16:58	WAT	11	
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:58	WAT	7.8	
1,1-Dichloroethene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:58	WAT	11	
Methylene chloride	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:58	WAT	11	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:58	WAT	8.5	
1,1-Dichloroethane	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:58	WAT	8.5	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:58	WAT	7.9	
Tetrahydrofuran	106	ug/kg	1,000	SW8260B/5035	04/29/14 16:58	WAT	83	JB
Chloroform	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:58	WAT	7.8	
Bromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:58	WAT	11	
1,1,1-Trichloroethane	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:58	WAT	6.4	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	SW8260B/5035	04/29/14 16:58	WAT	22	
2-Hexanone	Not detected	ug/kg	3,000	SW8260B/5035	04/29/14 16:58	WAT	13	
Carbon tetrachloride	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:58	WAT	7.3	
Benzene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:58	WAT	9.2	
1,2-Dichloroethane	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:58	WAT	11	
Trichloroethene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:58	WAT	9.4	
1,2-Dichloropropane	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:58	WAT	6.5	
Bromodichloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:58	WAT	7.4	
Dibromomethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 16:58	WAT	7.7	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:58	WAT	7.3	
Toluene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:58	WAT	8.4	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:58	WAT	6.4	
1,1,2-Trichloroethane	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:58	WAT	9.2	
Tetrachloroethene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:58	WAT	9.0	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:58	WAT	18	
Dibromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:58	WAT	6.1	
1,2-Dibromoethane	Not detected	ug/kg	20	SW8260B/5035	04/29/14 16:58	WAT	6.2	M
Chlorobenzene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:58	WAT	8.1	

J-Estimated value less than reporting limit, but greater than MDL    B-Compound also found in associated method blank

M-Result reported to MDL not RDL



# Analytical Laboratory Report

Lab Sample ID: S60798.27 (continued)

Sample Tag: Trip Blank

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:58	WAT	6.1	
Ethylbenzene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:58	WAT	9.6	
p,m-Xylene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:58	WAT	18	
o-Xylene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:58	WAT	9.1	
Styrene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:58	WAT	9.6	
Isopropylbenzene	Not detected	ug/kg	300	SW8260B/5035	04/29/14 16:58	WAT	8.6	
Bromoform	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:58	WAT	9.9	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:58	WAT	7.2	
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:58	WAT	18	
n-Propylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:58	WAT	8.8	
Bromobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:58	WAT	9.5	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:58	WAT	8.8	
tert-Butylbenzene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:58	WAT	10	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:58	WAT	9.9	
sec-Butylbenzene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:58	WAT	10	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:58	WAT	10	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:58	WAT	10	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:58	WAT	8.5	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:58	WAT	11	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 16:58	WAT	6.7	
n-Butylbenzene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 16:58	WAT	4.1	
Hexachloroethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 16:58	WAT	6.5	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 16:58	WAT	11	
1,2,4-Trichlorobenzene	Not detected	ug/kg	330	SW8260B/5035	04/29/14 16:58	WAT	6.6	
1,2,3-Trichlorobenzene	Not detected	ug/kg	330	SW8260B/5035	04/29/14 16:58	WAT	7.6	
Naphthalene	Not detected	ug/kg	330	SW8260B/5035	04/29/14 16:58	WAT	6.7	
2-Methylnaphthalene	Not detected	ug/kg	330	SW8260B/5035	04/29/14 16:58	WAT	7.8	



# Analytical Laboratory Report

Lab Sample ID: S60798.28

Sample Tag: Field Blank

Collected Date/Time: 04/22/2014 00:01

Matrix: Methanol

COC Reference: 73374

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles</b>								
<b>Volatile Organics 5035</b>								
Diethyl ether	Not detected	ug/kg	200	SW8260B/5035	04/29/14 17:19	WAT	16	
Acetone	Not detected	ug/kg	1,000	SW8260B/5035	04/29/14 17:19	WAT	340	
Methyl iodide	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:19	WAT	5.4	
Carbon disulfide	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:19	WAT	6.9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	200	SW8260B/5035	04/29/14 17:19	WAT	9.2	
Acrylonitrile	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:19	WAT	37	
2-Butanone (MEK)	99	ug/kg	750	SW8260B/5035	04/29/14 17:19	WAT	25	JB
Dichlorodifluoromethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:19	WAT	11	
Chloromethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:19	WAT	9.9	
Vinyl chloride	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:19	WAT	10.0	
Bromomethane	Not detected	ug/kg	200	SW8260B/5035	04/29/14 17:19	WAT	11	
Chloroethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:19	WAT	11	
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:19	WAT	7.8	
1,1-Dichloroethene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:19	WAT	11	
Methylene chloride	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:19	WAT	11	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:19	WAT	8.5	
1,1-Dichloroethane	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:19	WAT	8.5	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:19	WAT	7.9	
Tetrahydrofuran	91	ug/kg	1,000	SW8260B/5035	04/29/14 17:19	WAT	83	JB
Chloroform	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:19	WAT	7.8	
Bromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:19	WAT	11	
1,1,1-Trichloroethane	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:19	WAT	6.4	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	SW8260B/5035	04/29/14 17:19	WAT	22	
2-Hexanone	Not detected	ug/kg	3,000	SW8260B/5035	04/29/14 17:19	WAT	13	
Carbon tetrachloride	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:19	WAT	7.3	
Benzene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:19	WAT	9.2	
1,2-Dichloroethane	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:19	WAT	11	
Trichloroethene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:19	WAT	9.4	
1,2-Dichloropropane	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:19	WAT	6.5	
Bromodichloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:19	WAT	7.4	
Dibromomethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:19	WAT	7.7	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:19	WAT	7.3	
Toluene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:19	WAT	8.4	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:19	WAT	6.4	
1,1,2-Trichloroethane	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:19	WAT	9.2	
Tetrachloroethene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:19	WAT	9.0	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:19	WAT	18	
Dibromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:19	WAT	6.1	
1,2-Dibromoethane	Not detected	ug/kg	20	SW8260B/5035	04/29/14 17:19	WAT	6.2	M
Chlorobenzene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:19	WAT	8.1	

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank

M-Result reported to MDL not RDL



# Analytical Laboratory Report

Lab Sample ID: S60798.28 (continued)

Sample Tag: Field Blank

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:19	WAT	6.1	
Ethylbenzene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:19	WAT	9.6	
p,m-Xylene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:19	WAT	18	
o-Xylene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:19	WAT	9.1	
Styrene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:19	WAT	9.6	
Isopropylbenzene	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:19	WAT	8.6	
Bromoform	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:19	WAT	9.9	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:19	WAT	7.2	
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:19	WAT	18	
n-Propylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:19	WAT	8.8	
Bromobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:19	WAT	9.5	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:19	WAT	8.8	
tert-Butylbenzene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:19	WAT	10	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:19	WAT	9.9	
sec-Butylbenzene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:19	WAT	10	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:19	WAT	10	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:19	WAT	10	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:19	WAT	8.5	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:19	WAT	11	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:19	WAT	6.7	
n-Butylbenzene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:19	WAT	4.1	
Hexachloroethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:19	WAT	6.5	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:19	WAT	11	
1,2,4-Trichlorobenzene	Not detected	ug/kg	330	SW8260B/5035	04/29/14 17:19	WAT	6.6	
1,2,3-Trichlorobenzene	Not detected	ug/kg	330	SW8260B/5035	04/29/14 17:19	WAT	7.6	
Naphthalene	Not detected	ug/kg	330	SW8260B/5035	04/29/14 17:19	WAT	6.7	
2-Methylnaphthalene	Not detected	ug/kg	330	SW8260B/5035	04/29/14 17:19	WAT	7.8	



# Analytical Laboratory Report

Lab Sample ID: S60798.29

Sample Tag: Trip Blank

Collected Date/Time: 04/22/2014 00:01

Matrix: Methanol

COC Reference: 73374

## Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	40ml Glass	MeOH	Yes	4.9	IR

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles</b>								
<b>Volatile Organics 5035</b>								
Diethyl ether	Not detected	ug/kg	200	SW8260B/5035	04/29/14 17:38	WAT	16	
Acetone	Not detected	ug/kg	1,000	SW8260B/5035	04/29/14 17:38	WAT	340	
Methyl iodide	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:38	WAT	5.4	
Carbon disulfide	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:38	WAT	6.9	
tert-Methyl butyl ether (MTBE)	Not detected	ug/kg	200	SW8260B/5035	04/29/14 17:38	WAT	9.2	
Acrylonitrile	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:38	WAT	37	
2-Butanone (MEK)	88	ug/kg	750	SW8260B/5035	04/29/14 17:38	WAT	25	JB
Dichlorodifluoromethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:38	WAT	11	
Chloromethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:38	WAT	9.9	
Vinyl chloride	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:38	WAT	10.0	
Bromomethane	Not detected	ug/kg	200	SW8260B/5035	04/29/14 17:38	WAT	11	
Chloroethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:38	WAT	11	
Trichlorofluoromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:38	WAT	7.8	
1,1-Dichloroethene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:38	WAT	11	
Methylene chloride	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:38	WAT	11	
trans-1,2-Dichloroethene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:38	WAT	8.5	
1,1-Dichloroethane	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:38	WAT	8.5	
cis-1,2-Dichloroethene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:38	WAT	7.9	
Tetrahydrofuran	107	ug/kg	1,000	SW8260B/5035	04/29/14 17:38	WAT	83	JB
Chloroform	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:38	WAT	7.8	
Bromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:38	WAT	11	
1,1,1-Trichloroethane	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:38	WAT	6.4	
4-Methyl-2-pentanone (MIBK)	Not detected	ug/kg	3,000	SW8260B/5035	04/29/14 17:38	WAT	22	
2-Hexanone	Not detected	ug/kg	3,000	SW8260B/5035	04/29/14 17:38	WAT	13	
Carbon tetrachloride	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:38	WAT	7.3	
Benzene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:38	WAT	9.2	
1,2-Dichloroethane	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:38	WAT	11	
Trichloroethene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:38	WAT	9.4	
1,2-Dichloropropane	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:38	WAT	6.5	
Bromodichloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:38	WAT	7.4	
Dibromomethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:38	WAT	7.7	
cis-1,3-Dichloropropene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:38	WAT	7.3	
Toluene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:38	WAT	8.4	
trans-1,3-Dichloropropene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:38	WAT	6.4	
1,1,2-Trichloroethane	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:38	WAT	9.2	
Tetrachloroethene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:38	WAT	9.0	
trans-1,4-Dichloro-2-butene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:38	WAT	18	
Dibromochloromethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:38	WAT	6.1	
1,2-Dibromoethane	Not detected	ug/kg	20	SW8260B/5035	04/29/14 17:38	WAT	6.2	M
Chlorobenzene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:38	WAT	8.1	

J-Estimated value less than reporting limit, but greater than MDL B-Compound also found in associated method blank

M-Result reported to MDL not RDL



# Analytical Laboratory Report

Lab Sample ID: S60798.29 (continued)

Sample Tag: Trip Blank

Analysis	Results	Units	RL	Method	Run Date/Time	Analyst	MDL	Flags
<b>Organics - Volatiles (continued)</b>								
<b>Volatile Organics 5035 (continued)</b>								
1,1,1,2-Tetrachloroethane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:38	WAT	6.1	
Ethylbenzene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:38	WAT	9.6	
p,m-Xylene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:38	WAT	18	
o-Xylene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:38	WAT	9.1	
Styrene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:38	WAT	9.6	
Isopropylbenzene	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:38	WAT	8.6	
Bromoform	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:38	WAT	9.9	
1,1,2,2-Tetrachloroethane	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:38	WAT	7.2	
1,2,3-Trichloropropane	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:38	WAT	18	
n-Propylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:38	WAT	8.8	
Bromobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:38	WAT	9.5	
1,3,5-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:38	WAT	8.8	
tert-Butylbenzene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:38	WAT	10	
1,2,4-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:38	WAT	9.9	
sec-Butylbenzene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:38	WAT	10	
p-Isopropyltoluene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:38	WAT	10	
1,3-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:38	WAT	10	
1,4-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:38	WAT	8.5	
1,2-Dichlorobenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:38	WAT	11	
1,2,3-Trimethylbenzene	Not detected	ug/kg	100	SW8260B/5035	04/29/14 17:38	WAT	6.7	
n-Butylbenzene	Not detected	ug/kg	50	SW8260B/5035	04/29/14 17:38	WAT	4.1	
Hexachloroethane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:38	WAT	6.5	
1,2-Dibromo-3-chloropropane	Not detected	ug/kg	300	SW8260B/5035	04/29/14 17:38	WAT	11	
1,2,4-Trichlorobenzene	Not detected	ug/kg	330	SW8260B/5035	04/29/14 17:38	WAT	6.6	
1,2,3-Trichlorobenzene	Not detected	ug/kg	330	SW8260B/5035	04/29/14 17:38	WAT	7.6	
Naphthalene	Not detected	ug/kg	330	SW8260B/5035	04/29/14 17:38	WAT	6.7	
2-Methylnaphthalene	Not detected	ug/kg	330	SW8260B/5035	04/29/14 17:38	WAT	7.8	



2680 East Lansing Dr., East Lansing, MI 48823  
 Phone (517) 332-0167 Fax (517) 332-4034  
[www.meritlabs.com](http://www.meritlabs.com)

C.O.C. PAGE # 1 OF 3

73372

## REPORT TO

CONTACT NAME			
COMPANY			
ADDRESS			
CITY		STATE	ZIP CODE
PHONE NO.	FAX NO.	P.O. NO.	
E-MAIL ADDRESS		QUOTE NO.	

## CHAIN OF CUSTODY RECORD

CONTACT NAME	JESSE ANDERSON	<input type="checkbox"/> SAME	
COMPANY	APPLIED ECO SYSTEMS INC		
ADDRESS	South Saginaw Road		
CITY	BURTON	MI	ZIP CODE
PHONE NO.	810 715 2525	E-MAIL ADDRESS	AE-mos@Yahoo.com

## INVOICE TO

### ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)

PROJECT NO./NAME *Local Run most* SAMPLER(S) - PLEASE PRINT/SIGN NAME

TURNAROUND TIME REQUIRED  1 DAY  2 DAYS  3 DAYS  STANDARD  OTHER

DELIVERABLES REQUIRED  STD  LEVEL II  LEVEL III  LEVEL IV  EDD  OTHER

MATRIX GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID  
 CODE: SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

MERIT LAB NO. FOR LAB USE ONLY	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives						Certifications	
	DATE	TIME				NONE	HCl	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	MeOH	OTHER	
60798.01	4/21/14		SB2-4'	S	2	1				1	X	X	
.02			SB2-4'										
.03			SB3-4'										
.04			SB4-4'										
.05			SB5-3'										
.06	4/22/14		SB6-4'										
.07			SB7-4'										
.08			SB8-4'										
.09	4/21/14		SB1-10'										
.10			SB2-13'										
.11			SB3-11'										
.12			SB4-8'										

RELINQUISHED BY:	<i>John Delpy</i>	<input type="checkbox"/> Sampler	DATE 4/24/14 1450
RECEIVED BY:	<i>John Delpy</i>		DATE 4/24/14 1450
RELINQUISHED BY:	<i>John Delpy</i>		DATE 4/24/14 1450
RECEIVED BY:	<i>John Delpy</i>		DATE 4/24/14 1450
RELINQUISHED BY:	<i>John Delpy</i>		DATE 4/24/14 1450
RECEIVED BY:	<i>John Delpy</i>		DATE 4/24/14 1450

RELINQUISHED BY:	<i>John Delpy</i>	<input type="checkbox"/> Sampler	DATE 4/24/14 1450
RECEIVED BY:	<i>John Delpy</i>		DATE 4/24/14 1450
RELINQUISHED BY:	<i>John Delpy</i>		DATE 4/24/14 1450
RECEIVED BY:	<i>John Delpy</i>		DATE 4/24/14 1450
SEAL NO.	SEAL INTACT	INITIALS	NOTES: TEMP. ON ARRIVAL 9.9
SEAL NO.	SEAL INTACT	INITIALS	

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

**Merit**

Laboratories, Inc.

2680 East Lansing Dr., East Lansing, MI 48823  
 Phone (517) 332-0167 Fax (517) 332-4034  
[www.meritlabs.com](http://www.meritlabs.com)

C.O.C. PAGE # 2 OF 3

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**REPORT TO**

CONTACT NAME			
COMPANY			
ADDRESS			
CITY		STATE	ZIP CODE
PHONE NO.	FAX NO.	P.O. NO.	
E-MAIL ADDRESS		QUOTE NO.	

**CHAIN OF CUSTODY RECORD**

CONTACT NAME	JESSE ANDERSON	<input type="checkbox"/> SAME
COMPANY	APPLIED ECO SYSTEMS INC	
ADDRESS	SOUTH SAVANNAH ROAD	
CITY	BURTON	STATE MI ZIP CODE 48524
PHONE NO.	816 715 2525	E-MAIL ADDRESS AE-MOS@YAHOO.COM

**INVOICE TO****ANALYSIS (ATTACH LIST IF MORE SPACE IS REQUIRED)**

PROJECT NO./NAME	SAMPLER(S) - PLEASE PRINT/SIGN NAME	
TURNAROUND TIME REQUIRED <input type="checkbox"/> 1 DAY <input type="checkbox"/> 2 DAYS <input type="checkbox"/> 3 DAYS <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> OTHER		
DELIVERABLES REQUIRED <input type="checkbox"/> STD <input type="checkbox"/> LEVEL II <input type="checkbox"/> LEVEL III <input checked="" type="checkbox"/> LEVEL IV <input type="checkbox"/> EDD <input type="checkbox"/> OTHER		

MATRIX GW=GROUNDWATER WW=WASTEWATER S=SOIL L=LIQUID SD=SOLID  
 CODE: SL=SLUDGE DW=DRINKING WATER O=OIL WP=WIPE A=AIR W=WASTE

MERIT LAB NO. FOR LAB USE ONLY	YEAR		SAMPLE TAG IDENTIFICATION-DESCRIPTION	MATRIX	# OF BOTTLES	# Containers & Preservatives						# VOC's	S260	4	6 months	Certifications	
	DATE	TIME				None	HCl	HNO <sub>3</sub>	H <sub>2</sub> SO <sub>4</sub>	NaOH	MeOH	Other					
60798.13	4/21/14		SB5-7'	S	2	1				1	X					<input type="checkbox"/> OHIO VAP	<input type="checkbox"/> Drinking Water
	.14	4/22/14	SB6-8'	S	2	1										<input type="checkbox"/> DoD	<input type="checkbox"/> NPDES
	.15	↓	SB7-10'	S	2	1										<input type="checkbox"/> Detroit	<input type="checkbox"/> New York
	.16	↓	SB8-10'	S	2	1										<input type="checkbox"/> Other	
	.17	4/21/14	SB1-21'	S	2	1											
	.18	↑	SB2-19'	S	2	1											
	.19	↑	SB3-15'	S	2	1											
	.20	↓	SB4-15'	S	2	1											
	.21	↓	SB5-10'	S	2	1											
	.22	4/22/14	SB6-18'	S	2	1											
	.23	↑	SB7-18'	S	2	1											
	.24	↓	SB8-18'	S	2	1											

RELINQUISHED BY:		<input type="checkbox"/> Sampler	DATE 4/24/14	TIME 11:20
SIGNATURE/ORGANIZATION				
RECEIVED BY:			DATE 4/24/14	TIME 11:30
SIGNATURE/ORGANIZATION				
RELINQUISHED BY:			DATE 4/24/14	TIME 11:30
SIGNATURE/ORGANIZATION				
RECEIVED BY:			DATE 4/24/14	TIME 14:50
SIGNATURE/ORGANIZATION				

RELINQUISHED BY:		<input type="checkbox"/> Sampler	DATE 4/24/14	TIME 14:50
SIGNATURE/ORGANIZATION				
RECEIVED BY:			DATE 4/24/14	TIME 14:50
SIGNATURE/ORGANIZATION				
SEAL NO.	SEAL INTACT <input type="checkbox"/> YES <input type="checkbox"/> NO	INITIALS	NOTES:	TEMP. ON ARRIVAL 49
SEAL NO.	SEAL INTACT <input type="checkbox"/> YES <input type="checkbox"/> NO	INITIALS		

PLEASE NOTE: SIGNING ACKNOWLEDGES ADHERENCE TO MERIT'S SAMPLE ACCEPTANCE POLICY ON REVERSE SIDE

